



قائمة الاسئلة

امتحان نهاية الفصل الدراسي الأول - للعام الجامعي 1446 هـ - كلية العلوم :: برمجة متقدمة - (124102) - المستوى الرابع - تخصص رياضيات
غالب حمود الجعفري

- 1) Which type of Programming does Python support?
 - 1) - a) object-oriented programming
 - 2) - b) structured programming
 - 3) - c) functional programming
 - 4) d) all of the mentioned
- 2) Is Python case sensitive when dealing with identifiers?
 - 1) - a) no
 - 2) b) yes
 - 3) - c) machine dependent
 - 4) - d) none of the mentioned
- 3) Which of the following is the correct extension of the Python file?
 - 1) - a) .python
 - 2) - b) .pl
 - 3) c) .py
 - 4) - d) .p
- 4) Is Python code compiled or interpreted?
 - 1) a) Python code is both compiled and interpreted
 - 2) - b) Python code is neither compiled nor interpreted
 - 3) - c) Python code is only compiled
 - 4) - d) Python code is only interpreted
- 5) Which keyword is used for function in Python language?
 - 1) - a) Function
 - 2) b) def
 - 3) - c) Fun
 - 4) - d) Define
- 6) What will be the output of the following Python code?

```
i = 1
while True:
if i%3 == 0:
break
print(i)

i += 1
```

 - 1) - a) 1 2 3
 - 2) b) error
 - 3) - c) 1 2
 - 4) - d) none of the mentioned
- 7) Python supports the creation of anonymous functions at runtime, using a construct called _____
 - 1) - a) pi
 - 2) - b) anonymous
 - 3) c) lambda
 - 4) - d) none of the mentioned
- 8) Which of the following is not a core data type in Python programming?
 - 1) - a) Tuples
 - 2) - b) Lists
 - 3) c) Class



- 4) - d) Dictionary
- 9) What will be the output of the following Python function?
`len(["hello",2, 4, 6])`
1) - a) Error
2) - b) 6
3) c) 4
4) - d) 3
- 10) What will be the output of the following Python code snippet?
`for i in [1, 2, 3, 4][::-1]:`
`print(i, end=' ')`
1) a) 4 3 2 1
2) - b) error
3) - c) 1 2 3 4
4) - d) none of the mentioned
- 11) What will be the output of the following Python code?
`x = 'abcd'`
`for i in range(len(x)):`
`print(i)`
1) - a) error
2) - b) 1 2 3 4
3) - c) a b c d
4) d) 0 1 2 3
- 12) What are the two main types of functions in Python?
1) - a) System function
2) - b) Custom function
3) c) Built-in function & User defined function
4) - d) User function
- 13) Which of the following is a Python tuple?
1) - a) {1, 2, 3}
2) - b) {}
3) - c) [1, 2, 3]
4) d) (1, 2, 3)
- 14) What is output of `print(math.pow(3, 2))`?
1) a) 9.0
2) - b) None
3) - c) 9
4) - d) None of the mentioned
- 15) What will be the output of the following Python code?
`i = 1`
`while True:`
`if i%007 == 0:`
`break`
`print(i)`
`i += 1`
1) a) 1 2 3 4 5 6
2) - b) 1 2 3 4 5 6 7
3) - c) error
4) - d) none of the mentioned
- 16) What will be the output of the following Python code?





```
x = "abcdef"
```

```
i = "a"
```

```
while i in x:
```

```
print(i, end = " ")
```

- 1) - a) no output
- 2) - b) i i i i i ...
- 3) + c) a a a a a ...
- 4) - d) a b c d e f

17) Which of the following is the use of function in python?

- 1) + a) Functions are reusable pieces of programs
- 2) - b) Functions don't provide better modularity for your application
- 3) - c) you can't also create your own functions
- 4) - d) All of the mentioned

18) What is a variable defined outside a function referred to as?

- 1) - a) A static variable
- 2) + b) A global variable
- 3) - c) A local variable
- 4) - d) An automatic variable

19) What will be the output of the following Python code?

```
def a(b):
```

```
b = b + [5]
```

```
c = [1, 2, 3, 4]
```

```
a(c)
```

```
print(len(c))
```

- 1) + a) 4
- 2) - b) 5
- 3) - c) 1
- 4) - d) An exception is thrown

20) What will be the output of the following Python code snippet?

```
d = {"john":40, "peter":45}
```

```
print(d)
```

- 1) - a) "john", 40, "peter", 45
- 2) + b) {'john': 40, 'peter': 45}
- 3) - c) 40 and 45
- 4) - d) d = (40:"john", 45:"peter")

21) What will be the output of the following Python code snippet?

```
d = {"john":40, "peter":45}
```

```
d["john"]
```

- 1) + a) 40
- 2) - b) 45
- 3) - c) "john"
- 4) - d) "peter"

22) Suppose d = {"john":40, "peter":45}, to delete the entry for "john" what command do we use?

- 1) - a) d.delete("john":40)
- 2) - b) d.delete("john")
- 3) + c) del d["john"]
- 4) - d) del d("john":40)

23) _____ represents an entity in the real world with its identity and behaviour.





- 1) - a) A method
2) b) An object
3) - c) A class
4) - d) An operator
- 24) _____ is used to create an object.
1) - a) class
2) b) constructor
3) - c) User-defined functions
4) - d) In-built functions
- 25) What will be the output of the following Python statement?
`>>>"abcd"[2:]`
1) - a) a
2) - b) ab
3) c) cd
4) - d) dc
- 26) What will be the output of the following Python code?
`class A():
def disp(self):
print("A disp()")
class B(A):
pass
obj = B()
obj.disp()`
1) - a) Invalid syntax for inheritance
2) - b) Error because when object is created, argument must be passed
3) - c) Nothing is printed
4) d) A disp()
- 27) What type of inheritance is illustrated in the following Python code?
`class A():
pass
class B():
pass
class C(A,B):
pass`
1) - a) Multi-level inheritance
2) b) Multiple inheritance
3) - c) Hierarchical inheritance
4) - d) Single-level inheritance
- 28) Which of the following is invalid?
1) - a) `_a = 1`
2) - b) `__a = 1`
3) - c) `__str__ = 1`
4) d) none of the mentioned
- 29) Given a function that does not return any value, What value is thrown by default when executed in shell.
1) - a) int
2) - b) bool
3) - c) void
4) d) None
- 30) What will be the output of the following Python code?





```
>>>str="hello"
```

```
>>>str[:2]
```

```
>>>
```

- 1) + a) he
- 2) - b) lo
- 3) - c) olleh
- 4) - d) hello

