



قائمة الاسئلة

برمجة حاسوب - () - المستوى الثاني - قسم نפט+جيولوجيا - كلية البترول والموارد الطبيعية - الفترة - درجة الامتحان (50)

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- 1) How many times the following code prints "Welcome to C++"?

```
int count = 2;
while (count++ < 10)
{
cout << "Welcome to C++";
}
```

- 1) - 9
2) - 10
3) + 7
4) - 12
- 2) What is y after the following switch statement is executed?

```
x = 3;
switch (x + 3)
{
case 6: y = 0;
case 7: y = 1;
default: y += 2;
}
```

- 1) - 1
2) - 2
3) + 3
4) - 4
- 3) How many times the following code prints "Welcome to C++"?

```
int count = 1;
while (count++ < 10)
{
cout << "Welcome to C++";
}
```

- 1) - 8
2) + 9
3) - 10
4) - 11
- 4) What is the representation of the third element in an array called a?

- 1) - a[1]
2) - a(1)
3) + a[2]
4) - a(2)

- 5) What is the value of x after the following statements?

```
int x;
x = 16 %4;
```

- 1) - 4
2) + 0
3) - 16





- 4) - nothing from above
- 6) What is the final value of x after the following fragment of code executes?
`int x=0;
do
{
x++;
}while(x > 0);`
- 1) - 8
2) - 9
3) - 10
4) + infinite loop
- 7) What is the final value of the variable x after the execution of the following code:
`int x; for(x=0; x<10; x++) {}`
- 1) + 10
2) - 9
3) - 0
4) - 1
- 8) How many times the following code is executed:
`int i;
for (i=0; i<100; i=i+3) cout<< i;`
- 1) - 100
2) - 97
3) + 34
4) - 33
- 9) What is the output of the following code fragment?
`int x=0;
{
int x=22;
cout << x <<",";
}
cout << x << endl;`
- 1) - 22,22
2) - 0,22
3) + 22,0
4) - there is a syntax error
- 10) Given the following code fragment, what is the final value of y?
`int x, y;
x = -1;
y = 0;
while(x <= 3)
{
y += 2;
x += 1;
}`
- 1) - 2
2) + 10
3) - 6
4) - 8





- 11) What is the output of the following code?
float value;
value = 33.5;
cout << "value" << endl;
- 1) - 33.5
 - 2) - 33
 - 3) + value
 - 4) - nothing
- 12) What is the value of x after the following statement?
float x;
x = 3.0 / 4.0 + (3 + 2) / 5
- 1) - 5.75
 - 2) - 0.75
 - 3) + 1.75
 - 4) - 3,75
- 13) Given the following code, what is the final value of i?
int i;
for(i=0; i<=4;i++)
{
cout << i << endl;}
- 1) - 3
 - 2) - 4
 - 3) + 5
 - 4) - 0
- 14) What is the output of the following code?
float value;
value = 33.5;
cout << value << endl;
- 1) + 33.5
 - 2) - 33
 - 3) - value
 - 4) - nothing
- 15) what is the output of the following program:
Grade = 70;
if (grade >= 60)
cout << "Passed.\n";
else
cout << "Failed";
cout << "You must take this course again.\n";
- 1) - Failed
 - 2) + Passed You must take this course again.
 - 3) - Failed You must take this course again
 - 4) - none of the above
- 16) What is the number of iterations in the following loop:
for (int i = 1; i < =n; i++)
{
// iteration عدد المراد الجمل من عدد
}
}
- 1) - 2*n





- 2) n
3) n-1
4) n+1
- 17) If a program compiles fine, but it produces incorrect result, then the program suffers:
- 1) a compilation error
2) a runtime error
3) a logic error
4) No Error
- 18) Suppose $x = 1$, $y = -1$, and $z = 1$. What is the printout of the following statement?
- ```
if (x > 0)
if (y > 0)
cout << "x > 0 and y > 0" << endl;
else if (z > 0)
cout << "x < 0 and z > 0" << endl;
```
- 1)   $x > 0$  and  $y > 0$ ;  
2)   $x < 0$  and  $z > 0$ ;  
3)   $x < 0$  and  $z < 0$ ;  
4)  no printout.
- 19) What is the output for y?
- ```
int y = 2;
for (int i = 0; i < 10; ++i)
{
y = y + i;
}
cout << y;
```
- 1) 10
2) 11
3) 45
4) 46
- 20) How many times is "Hi" printed to the screen
- ```
for(int i=0;i<14;i++);
cout <<"Hi\n";
```
- 1)  13  
2)  15  
3)  14  
4)  1
- 21) What is the output of the following program:
- ```
include <iostream.h>
main))
{
int a = 0;
int b = 0;
int sum = 0;
for(a = 0; sum < 10 ; a++)
{
sum = a + b;
a++;
b = a + 2;
}
```





```
Cout<< a<< b;  
}
```

- 1) - a=7, b=8
 - 2) - a=8, b=8
 - 3) + a=8, b=9
 - 4) - nothing from above
- 22) What is sum after the following loop terminates?

```
int sum = 0;  
int item = 0;  
do  
{  
item++;  
sum += item;  
if (sum > 4) break;  
}  
while (item < 5);
```

- 1) - 5
 - 2) + 6
 - 3) - 7
 - 4) - 8
- 23) How many times the following code prints "Welcome to C++"?

```
int count = 0;  
do  
{  
cout << "Welcome to C++";  
} while (count++ < 10);
```

- 1) - 8
- 2) - 9
- 3) - 10
- 4) + 11

