



Free Questions for CPA by certscare

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Question 1

Question Type: MultipleChoice

What happens when you attempt to compile and run the following code?

```
#include
```

```
using namespace std;
```

```
class BaseC
```

```
{
```

```
public:
```

```
int *ptr;
```

```
BaseC() { ptr = new int(10);}
```

```
BaseC(int i) { ptr = new int(i); }
```

```
~BaseC() { delete ptr; }
```

```
};
```

```
void fun(BaseC x);
```

```
int main()
{
BaseC *o = new BaseC(5);

fun(*o);
}

void fun(BaseC x) {

cout

}
```

Options:

- A- It prints: Hello:50
- B- It prints: Hello:10
- C- It prints: Hello:5
- D- Compilation error

Answer:

C

Question 2

Question Type: MultipleChoice

What will be the output of the program?

```
#include
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
const int y = 5;
```

```
const x = ?10;
```

```
cout
```

```
return 0;
```

```
}
```

Options:

A- ?10 5

B- 5 ?10

C- Compilation error

D- None of these

Answer:

C

Question 3

Question Type: MultipleChoice

Which code, inserted at line 12, generates the output "5b"?

```
#include
```

```
using namespace std;
```

```
namespace myNamespace1
```

```
{
```

```
int var = 5;

}

namespace myNamespace2

{

char var = 'b';

}

int main () {

//insert code here

return 0;

}
```

Options:

- A- `cout << myNamespace1::var << var;`
- B- `cout << var << var;`
- C- `cout << myNamespace1::var << myNamespace2::var;`
- D- None of these

Answer:

C

Question 4

Question Type: MultipleChoice

What happens when you attempt to compile and run the following code?

```
#include
```

```
using namespace std;
```

```
int main(){
```

```
int i = 1;
```

```
if (i++==1) {
```

```
cout
```

```
} else {
```

```
cout
```

```
}
```

```
return 0;
```

```
}
```

Options:

A- It prints: 0

B- It prints: 1

C- It prints: -1

D- It prints: 2

Answer:

D

Question 5

Question Type: MultipleChoice

What happens when you attempt to compile and run the following code?

```
#include
```



```
using namespace std;
```

```
int op(int x, int y);
```

```
int main()
```

```
{
```

```
int i=2, j=2, k;
```

```
float f=0.3;
```

```
k = op(i, j);
```

```
cout
```

```
return 0;
```

```
}
```

```
int op(int x, int y)
```

```
{
```

```
return x+y;
```

```
}
```

Options:

- A- It prints: 4,1
- B- It prints: 4,0.7
- C- It prints: 4,0
- D- It prints: 0,4

Answer:

A

Question 6

Question Type: MultipleChoice

How many times will "HELLO" be printed?

```
#include
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
for(int i=?1; i
{
if(i
continue;
else
break;
cout
}
return 0;
}
```

Options:

- A- 1
- B- 2
- C- 0
- D- 20

Answer:

C

Question 7

Question Type: MultipleChoice

What is the output of the program given below?

```
#include
```

```
using namespace std;
```

```
int main (int argc, const char * argv[])
```

```
{
```

```
float f=?10.501;
```

```
cout
```

```
}
```

Options:

A- 0

B- 11

C- ?10

D- ?11

Answer:

C

Question 8

Question Type: MultipleChoice

What is the output of the program?

```
#include
```

```
#include
```

```
using namespace std;
```

```
class First
```

```
{
```

```
string name;
```

```
public:
```

```
First() {
```

```
name = "Alan";
```

```
}
```

```
void setName(string n) {this->name = n;}
```

```
void setName() {this->name = "John";}
```

```
void Print(){
```

```
cout
```

```
}
```

```
};
```

```
int main()
```

```
{
```

```
First ob1,*ob2;
```

```
ob2 = new First();
```

```
First *t;  
  
t = &ob1;  
  
t?>setName();  
  
t?>Print();  
  
t = ob2;  
  
t?>setName("Steve");  
  
ob2?>Print();  
  
}
```

Options:

- A- It prints: JohnSteve
- B- It prints: AlanAlan
- C- It prints: AlanSteve
- D- It prints: JohnAlan

Answer:

A

Question 9

Question Type: MultipleChoice

What is the output of the program?

```
#include
```

```
#include
```

```
using namespace std;
```

```
union t
```

```
{
```

```
char c;
```

```
int i;
```

```
};
```

```
class First
```

```
{
```



```
union t u;

public:

First() {

u.c = 'A';

}

void Print(){

cout

}

};

int main()

{

First *t = new First();

t->Print();

}
```

Options:

A- Garbage value

B- It prints: A

C- It prints: A 65

D- Compilation error

Answer:

B

Question 10

Question Type: MultipleChoice

How many times will the program print "HELLO" ?

```
#include
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
cout  
main();  
return 0;  
}
```

Options:

A- 65536

B- 32769

C- 1

D- Till stack overflows

Answer:

D

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