



**Free Questions for CPP by dumpshq**

**Shared by Stafford on 18-01-2024**

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# Question 1

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## Question Type: MultipleChoice

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

```
#include <iostream>

#include <map>

using namespace std;

int main() {

int t[] = { 1, 1, 2, 2, 3, 3, 4, 4, 5, 5 };

string s[] = { 'one', 'one', 'two', 'two', 'three', 'three', 'four', 'four', 'five', 'five' };

map<int, string> m;

for (int i = 0; i < 10; i++) {

m.insert(pair<int, string>(t[i], s[i]));

}

if (m.count(3) == 2) {
```

```
m.erase(3);  
  
}  
  
for (map<int, string>::iterator i = m.begin(); i != m.end(); i++) {  
  
    cout << i->first << ' ';  
  
}  
  
return 0;  
  
}
```

### Options:

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- A) program outputs: 1 2 3 4 5
- B) program outputs: 1 2 4 5
- C) program outputs: 1 1 2 2 3 4 4 5 5
- D) program outputs: 1 1 2 3 3 4 4 5 5
- E) program outputs: one two three four five

### Answer:

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A

## Question 2

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**Question Type:** MultipleChoice

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

```
#include <iostream>

#include <map>

using namespace std;

int main() {

int t[] = { 1, 1, 2, 2, 3, 3, 4, 4, 5, 5 };

string s[] = { 'one', 'one', 'two', 'two', 'three', 'three', 'four', 'four', 'five', 'five' };

map<int, string> m;

for (int i = 0; i < 10; i++) {

m.insert(pair<int, string>(t[i], s[i]));

}
```

```
if (m.count(3) == 2) {  
  
m.erase(3);  
  
}  
  
for (map<int, string>::iterator i = m.begin(); i != m.end(); i++) {  
  
cout << i->first << ' ';  
  
}  
  
return 0;  
  
}
```

### Options:

---

- A) program outputs: 1 2 3 4 5
- B) program outputs: 1 2 4 5
- C) program outputs: 1 1 2 2 3 4 4 5 5
- D) program outputs: 1 1 2 3 3 4 4 5 5
- E) program outputs: one two three four five

### Answer:

---

A

## Question 3

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**Question Type:** MultipleChoice

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

```
#include <iostream>

#include <map>

#include <string>

using namespace std;

int main(){

int second[] = { 3, 4, 2, 1, 6, 5, 7, 9, 8, 10 };

string first[] = {'three', 'four', 'two', 'one', 'six', 'five', 'seven', 'nine', 'eight', 'ten'};

map<int, string> m;

for(int i=0; i<10; i++) {

m.insert(pair<int, string>(second[i], first[i]));
```

```
}  
  
if (m[11] == 'eleven') {  
  
    cout<<'eleven ';  
  
}  
  
for(map<int, string>::iterator i=m.begin();i!= m.end(); i++) {  
  
    cout<<i->second<<' ';  
  
}  
  
cout<<m.size();  
  
return 0;  
  
}
```

### Options:

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- A) program outputs: one two three four five six seven eight nine ten 11
- B) program outputs: one two three four five six seven eight nine ten 10
- C) program outputs: one two three four five six seven eight nine ten 10
- D) program outputs: eleven one two three four five six seven eight nine ten 10

E) runtime exception

**Answer:**

---

A

## Question 4

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**Question Type: MultipleChoice**

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

```
#include <iostream>
```

```
#include <map>
```

```
using namespace std;
```

```
int main() {
```

```
int t[] = { 1, 1, 2, 2, 3, 3, 4, 4, 5, 5 };
```

```
string s[] = { 'one', 'one', 'two', 'two', 'three', 'three', 'four', 'four', 'five', 'five'};
```

```
map<int, string> m;
```



```
for (int i = 0; i < 10; i++) {  
  
m.push_back(pair<int, string>(t[i], s[i]));  
  
}  
  
for (map<int, string>::iterator i = m.begin(); i != m.end(); i++) {  
  
cout << i->first << ' ';  
  
}  
  
return 0;  
  
}
```

### Options:

---

- A) program outputs: 1 2 3 4 5
- B) compilation error
- C) program outputs: 1 1 2 2 3 3 4 4 5 5
- D) program outputs: one two three four five
- E) program outputs: one one two two three three four four five five

### Answer:

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B

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