

XC++03 - Functions and Arrays

Due Sep 15 at 11:59pm **Points** 18 **Questions** 10 **Available** Sep 4 at 12am - Sep 22 at 11:59pm 19 days
Time Limit None **Allowed Attempts** 4

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	36 minutes	10 out of 18

Score for this attempt: **10** out of 18

Submitted Sep 14 at 10:13am

This attempt took 36 minutes.

Question 1

1 / 1 pts

```
double f(double x,double y)
{
double PI=3.1415926;
return atan(x/y)/PI*180;
}
```

```
int main()
{
cout<<f(4,4)<<endl;
return 0;
}
```

what is printed?

Correct!

45

Correct Answers

45

Question 2

0 / 1 pts

```
int f(int x) {
```

```
int y= 2 * x;  
x=5;  
return y;  
}  
  
int g(int& x) {  
int y= 2 * x;  
x=5;  
return y;  
}  
  
int main() {  
int a = 2;  
int b = f(a);  
int c= 2;  
int d=g(c);  
cout<<a<<" "<<b<<" "<<c<<" "<<d<<endl;  
return 0;  
}
```

What is printed?

You Answered

2 4 2 4

Correct Answers

2 4 5 4

Question 3

0 / 1 pts

```
int main() {  
int a = 5;  
const int &b=a;  
b=6;  
cout<<a<<endl;  
return 0;  
}
```

What is printed?

☐ 5

You Answered

☒ 6

Correct Answer

☐ The code is wrong!

☐ Any other value

Question 4**1 / 1 pts**

```
int main() {  
    int a = 5;  
    const int &b=a;  
    a=6;  
    cout<<b<<endl;  
    return 0;  
}
```

What is printed?

☐ 5☒ 6☐ The code is wrong!☐ Any other value

Correct!

Question 5**1 / 1 pts**

The code A:

```
double f(double x) {  
    return x*x ;  
}
```

The code B:

```
double add(double x) {  
    double sum = 0;  
    for (int i = 0; i < 1000; i++)  
        for (int j = 0; j < 1000; j++)  
            sum += j*x;  
    return sum;  
}
```

Which one is better to be inline?

☒ A☐ B

Correct!

☐ both of them☐ neither of them**Question 6****1 / 1 pts**

```
int main() {
int a[5] = {65,66,67,68,69};
for (int i = 0; i < 5; i++)
cout << a[i] << ' ';
for (int i = 0; i < 5; i++)
cout << (char)a[i] << ' ';
cout << '\n';
return 0;
}
```

What is printed?

Correct!

65 66 67 68 69 A B C D E

Correct Answers

65 66 67 68 69 A B C D E

Question 7**4 / 4 pts**

Sort a group of number in a descending order:

```
int main() {
int a[ 10 ]; // a is an array.
int i,j,t;
```

```
for(i=0;i< 10 ;i++)
```

```
cin>>a[ i ];
cout<<endl;
for(i=0;i<9;i++)
{
for(j=i+1;j<10;j++)
{
```

```
if(a[ i ]< a[j] )
```

```
{
t=a[ i ];
```

;

 ;

```

}
}
}
cout<<"the sorted array is:"<<endl;
for(i=0;i<10;i++)
{
cout<<a[ i ]<<" ";
}
cout<<endl;
return 0;
}

```

Answer 1:

Correct!

10

Answer 2:

Correct!

a[j]

Answer 3:

Correct!

a[i]=a[j]

Answer 4:

Correct!

a[j]=t

Question 8**1 / 1 pts**

```

int main() {
int a[3][2] = {3, 4, 1,-1,2};
for (int i = 0; i < 3; i++) {
for (int j = 0; j < 2; j++)
cout << a[i][j] << " ";
cout<<"/n";
}
}
}

```

What is printed?

Correct!

Question 9

1 / 6 pts

```
void readIn(int x[ 3 ][ 3 ]) {  
    for (int i = 0; i < 3; i++)  
        for (int j = 0; j < 3; j++)  
            cin >>  ;  
}  
  
//a+b  
  
void add(int c[ 3 ][ 3 ], int a[ 3 ][ 3 ], int b[ 3 ][ 3 ]) {  
    for (int i = 0; i < 3; i++)  
        for (int j = 0; j < 3; j++)  
            c[ i ][ j ] =  ;  
}  
  
// a - b  
  
void subtract(int c[ 3 ][ 3 ], int a[ 3 ][ 3 ], int b[ 3 ][ 3 ]) {  
    for (int i = 0; i < 3; i++)  
        for (int j = 0; j < 3; j++)  
            c[ i ][ j ] =  ;  
}  
  
//a*b  
  
void multiply(int c[ 3 ][ 3 ], int a[ 3 ][ 3 ], int b[ 3 ][ 3 ]) {  
    int n=0;  
    int i2,j2;  
    for (int i = 0; i < 3; i++)  
    {  
        for (int j = 0; j < 3; j++)  
        {  
             ;  
        }  
        for(i2=0,j2=0;i2<3;j2<3;i2++,j2++)  
            n+=  ;  
        c[ i ][ j ] = n;  
    }  
}
```

```
void print(int x[ 3 ][ 3 ]) {  
    for (int i = 0; i < 3; i++) {  
        for (int j = 0; j < 3; j++)  
            cout << x[i][j] << " ";  
        cout << "/";  
    }  
}
```

Answer 1:

You Answered

Correct Answer

x[i][j]

Answer 2:

You Answered

Correct Answer

a[i][j] + b[i][j]

Answer 3:

You Answered

Correct Answer

a[i][j] - b[i][j]

Answer 4:

You Answered

Correct Answer

n=0

Answer 5:

You Answered

Correct Answer

a[i][j2]*b[i2][j]

Answer 6:

Correct!

x[i][j]

Question 10

0 / 1 pts

```
int main()  
{  
    int a[3][3]={1,2,3,4,5,6,7,8,9};
```

```
int b[3][3]={9,8,7,6,5,4,3,2,1};  
int c[3][3];  
multiply(c,a,b);  
print(c);  
}
```

You Answered

Correct Answers

30 24 18 /84 69 54 /138 114 90 /

Quiz Score: **10** out of 18