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1.

610 289 3405

49 64 81

The results of the variables adter the end of the execution of user defined function is: 49 289 81

2. int score(float mark);

3. Non of them will be called because non of the functions have parameter input type of double.

4. the second function definition will be used

5. None will be called because non of the functio have int as first and float as second parameter

6.

#include <iostream>

using namespace std;

/\*\*

\* first copying the values then sorting.if the input matches the sorted copy

\* return true else false.

\* \*/

bool ordered(int a, int b, int c) {

int tempA, tempB, tempC;

tempA = a;

tempB = b;

tempC = c;

if (tempA > tempB) {

swap(tempA, tempB);

}

if (tempB > tempC) {

swap(tempB, tempC);

}

if (tempA > tempB) {

swap(tempA, tempB);

}

cout << tempA << " "<< tempB << " " << tempC;

if(a == tempA && b == tempB && tempC == c) {

return true;

}

return false;

}

int main()

{

ordered(65, 73, 47); //returns false

return 0;

}

7.

#include <iostream>

using namespace std;

bool odd(int a) {

if ( a % 2 !=0) {

return true;

}

return false;

}

int main()

{

odd(7);//returns true

return 0;

}

8. int a[5] is pulling out the 6th item from the array called ‘a’. and a[4] is the 5th item from the array.

9.

a) score

b) double

c) unspecified but possibly 6

d) 0 – 5

e) 5

10.

a) out of bound  
b) no errors

c) no errors

11.

a

A

E

e

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12.

32.1 14.2 85.65

What’s new?

32.1 85.65 85.65

13.

0

3

6

9

12

15

18

21

24

27

0 6 12 18 24

14. the loop will try to put a value at index 10 which doesn’t exsist since array index starts at 0.

15. on the 10th Iteration the loop will try to get the value at 11 which doesn’t exist

16.

int num\_array[20];

for (int i = 0; i < 20; i+) {

cout << "Enter an element at " << i + 1 << " index: ";

cin >> a[i];

}

17. totally 70 bytes, element at array[6] will become 1012

18. cube(number);

cube(a[2]);

cube(a[3]);

cube(a[number]);

19. The index will be out of bound at the 5th iteration.

20. A, B, D

21.

#include <iostream>

using namespace std;

int main()

{

int temp;

int number\_array[10];

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

cout << "Enter the element at " << i + 1 << " index: ";

cin >> temp;

while(temp < 0) {

cout << "Please enter a positive integer" << endl;

cin >> temp;

}

number\_array[i] = temp;

}

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

cout<<number\_array[j]<<"\t";

}

return 0;

}

22.

#include <iostream>

using namespace std;

void invert(int num) {

cout << x % 10;

x = x / 10;

invert(num);

}

int main()

{

invert(1548);

return 0;

}

23.

#include <iostream>

using namespace std;

void display(int num) {

if (num >= 1) {

display(num--);

cout<<num;

}

}

int main()

{

display(5);

return 0;

}

24. 15

25. **24**

The name of the mathematical function is factorial