coDEcode Round-2

Total points   0/0   ?

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0 of 0 points

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Write the missing code line for the following program

```cpp
#include<iostream>
using namespace std;
int main()
{
int factorial(int);
int fact,value;
cout<<"Enter any number: ";, cin>>value;
fact=factorial(value);
cout<<"Factorial of a number is: "<<fact<<endl;
return 0;
}
int factorial(int n)
{
if(n<0)
return(-1); /*Wrong value*/
if(n==0)
return(1); /*Terminating condition*/
else
{
//code statement
}
}


return(n*factorial(n-1));
```

In the following binary search program, identify the error

```c
#include <stdio.h>
int main()
{
int c, first, last, middle, search=20;
int a[5]={5,10,15,20,25};
first = 0;
last = 5;
middle = (first+last)/2;
while (first <= last)
{
if (array[middle] < search)
first = middle + 1;
else
if (array[middle] == search)
{
printf("found at location %d.\n", middle+1);
break;
}
else
last = middle - 1;
middle = (first + last)/2;
}
if (first > last)
printf("Not found!\n");
return 0;
}
```

array[5] instead of a[5]

For the following pattern, complete the given code *****

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```c
include<stdio.h>
void main()
{
int i,j;
for(//code statement)
{
for(//code statement)
{
printf("*");
}
printf("\n");
}
}
```

i=0;i<4;i++ , j=4;j<0;j--

Point out the error statement

```
#include <stdio.h>
int main()
{
struct emp{
char n[20];
int age;
};
struct emp e1={"Ritchie",31};
struct emp e2=e1;
if(e1==e2)
printf("The structures are equal");
return 0;
}
```

e1==e2 -> can't use binary for struct emp

If output of the program is to be -1,which statement is to be changed?

```
#include <stdio.h>
int main()
{
int x = -2;
x = x << 1;
printf("%d\n", x);
}
```

x>>1;

In the function given below, what statement would you change to rearrange the numbers in descending order?

```
static void bubbleSort(int[] arr)
{
int n = arr.length;
int temp = 0;
for(int i=0; i < n; i++)
{
for(int j=1; j < (n-i); j++)
{
if(arr[j-1] > arr[j])
{
temp = arr[j-1];
arr[j-1] = arr[j];
arr[j] = temp;
}
}
}
}
```

if(arr[j-1] < arr[j])

Point out the error statement

```
#include <stdio.h>
int main()
{
const int k=7;
int *const q=&k;
printf("%d\n",*q);
return 0;
}
```

cant update constant variable

Correct output for the program is 2 3 3 Identify the incorrect statement

```c
#include <stdio.h>
void main()
{
int x = 4, y, z;
y = x--;
z = x--;
printf("%d%d%d", x, y, z);
}
```

y=- -x;

Complete the given code to swap 2 numbers without using a third variable

```c
#include<stdio.h>
int main()
{
int a=59,b=47;
//code statements
printf("a=%d ,b=%d",a,b);
return 0;
}
```

a=a+b;
b=a-b;
a=a-b;

Point out the error statement

```
#include<stdio.h>
int main()
{
int a=10,b;
a>=5?b=100:b=200;
printf("%d\n",b);
return 0;
}

b=a>=5?100:200;
```

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