18-04-2023

**DAY 3 Assignment QUESTIONS.**

1. Idnetify the error for the following programs,

#include<iostream>

intmain()

{

cout<< "\"geeksforgeeks\"";

}

Correct program:

#include <iostream>

int main() {

std::cout << "\"geeksforgeeks\"";

return 0;

}

2. What will be the output of the following program

#include <iostream>

usingnamespacestd;

intmain()

{

   intx = 10;

   inty = 10;

   if(!(x ^ y))

      cout<< " x is equal to y ";

   else

      cout<< " x is not equal to y ";

   return0;

}

Correct program:

#include <iostream>

using namespace std;

int main() {

int x = 10;

int y = 10;

if (!(x ^ y))

cout << "x is equal to y";

else

cout << "x is not equal to y";

return 0;

}

OUTPUT:

x is equal to y

3. Find the output of the following program

#include<iostream>

usingnamespacestd;

intN = 10;

intmain()

{

  staticintx = 1;

  if(cout<< x << " "&& x++ < N &&main())

  { }

  return0;

}

Correct program:

#include <iostream>

using namespace std;

int N = 10;

int main() {

static int x = 1;

if (cout << x << " " && x++ < N) { }

return 0;

}

OUTPUT:

1 2 3 4 5 6 7 8 9 10

4. Identify the error / output of the program

#include<bits/stdc++.h>

usingnamespacestd;

intmain()

{

   intx = 10;

   inty = seventy;

   x = x + y;

   y = x - y;

   x = x - y;

   cout<< "X : "<< x << "\n";

   cout<< "Y : "<< y << "\n";

   return0;

}

Correct program:

#include <iostream>

using namespace std;

int main () {

int x = 10;

int y = 70;

x = x + y;

y = x - y;

x = x - y;

cout << "X: " << x << "\n";

cout << "Y: " << y << "\n";

return 0;

}

OUTPUT:

X: 70

Y: 10

5. Can we do in C++ with this header file.

#include<bits/stdc++.h>

intmain ()

{

   inta = 15, b = 20;

   printf("max = %d\n", ((a + b) + abs(a - b)) / 2);

   printf("min = %d", ((a + b) - abs(a - b)) / 2);

   return0;

}

Correct program:

#include <iostream>

#include <cmath>

int main() {

int a = 15, b = 20;

printf("max = %d\n", ((a + b) + abs(a - b)) / 2);

printf("min = %d", ((a + b) - abs(a - b)) / 2);

return 0;

}

OUTPUT:

max = 20

min = 15

6. Find the output for the program.

#include<iostream>

usingnamespacestd;

intmain()

{

  inta = 5;

  intb = 5;

  intsum = -( -a-b );

  cout<< sum;

  return0;

}

OUTPUT:

-10

7. What is the output

#include<iostream>

usingnamespacestd;

intmain()

{

    if(!(cout<< "SIMATS"))

    cout<<" SIMATS ";

    else

    cout<< "SCHOOL OF ENGINEERING ";

    return0;

}

OUTPUT:

SIMATS SCHOOL OF ENGINEERING

8. Find the output

#include<iostream>

usingnamespacestd;

intmain()

{

   intn = 4;

   n = n >> 2;

   cout<< n;

   return0;

}

OUTPUT:

1

9. Find the output of following code:

#include<iostream>

usingnamespacestd;

intmain()

{

   intn = 4;

   n = n >> 2;

   cout<< n;

   return0;

OUTPUT:

1

10. Find the output of following code:

#include<iostream>

usingnamespacestd;

intmain()

{

   intn = 4;

   n = n >> 2;

   cout<< n;

   return0;

OUTPUT:

1