**C++ Assignment| CONDITIONS- 2| Week2**

Q.1.Write a program to count the minimum number of notes in a given amount using the switch statement.

ANS:

#include<iostream>

using namespace std;

int main()

{

 int amount;

 int n1,n2,n5,n10,n20,n50,n100,n500;

/\* Note : here you can take another variable for a 2000 rupees note, and modify the  code accordingly.

\*/

 n1 = n2 = n5 = n10 = n20 = n50 = n100 = n500 =0;

 cout<<"Please Enter Your total Amount to find the notes : ";  cin>>amount;

 switch(amount>=500)

 {

 case 1:

 n500 = amount/500;

 amount -= n500 \* 500;

 break;

 }

 switch(amount >=100)

 {

 case 1:

 n100 = amount/100;

 amount -= n100 \* 100;

 break;

 }

 switch(amount >=50)

 {

 case 1:

 n50 = amount/50;

 amount -= n50 \* 50;

 }

 switch(amount >=20)

 {

 case 1:

 n20 = amount/20;

 amount -= n20 \* 20;

 break;

 }

 switch(amount >=10)

 {

 case 1:

 n10 = amount/10;

 amount -= n10 \* 10;

 break;

 }

switch(amount >=5)

 {

 case 1:

 n5= amount/5;

 amount -= n5\* 5;

 break;

 }

switch(amount >=2)

 {

 case 1:

 n2= amount/2;

 amount -= n2\* 2;

 break;

Q2.Predict the output:

#include<iostream>

using namespace std;

int main( ) {

 int a = 5, b, c ;

 b = a = 15 ;

 c = a < 15 ;

 cout << "a = " << a << ", b = " << b << " , c = "<< c ; return 0;

}

ANS :  a=15,

b=15,

c=0

Q3.Predict the output:

#include<iostream>

using namespace std;

int main() {

 int x = 3 ;

 float y = 3.0 ;

 if (x == y)

 cout <<"x and y are equal" ;

 else

 cout << "x and y are not equal" ;

 return 0;

}

ANS:  x and y are equal

Q4. predict the output:

#include<iostream>

using namespace std;

int main(){

 int test = 0;

 cout << "First character " << '1' << endl;

 cout << "Second character " << (test ? 3 : '1') << endl;  return 0;

}

ANS: First character 1

Second character 49

Q5:predict the output:

#include <iostream>

using namespace std;

int main(){

 int a = 18; int b = 12;

 bool t = (a > 20 && b < 15)? true : false;

 cout <<"Value of t: " << t ;

 return 0;

}

ANS:  Value of t: 0

Q6:predict the output:

#include <iostream>

using namespace std;

int main() {

 int number = -4;

 char result;

 result = number > 0 ? 'P' : 'N';

 cout << result << endl;

 return 0;

}

ANS: N