**C++ Assignment Solutions | Conditionals-2 | Week 2**

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

Input 1: 510

Output1 : notes of “500” = 1 and notes of “10” = 1

**Solution:**

#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;

}

switch(amount >=1)

{

case 1:

n1 = amount/1;

amount -= n1 \* 1;

break;

}

Output

cout << "Rs.500 = " << n500 <<endl;

cout << "Rs.100 = " << n100 <<endl;

cout << "Rs.50 = " << n50 <<endl;

cout << "Rs.20 = " << n20 <<endl;

cout << "Rs.10 = " << n10 <<endl;

cout << "Rs.5 = " << n5 <<endl;

cout << "Rs.2 = " << n2 <<endl;

cout << "Rs.1 = " << n1 <<endl;

}

**2.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;

}

**Output :**

a=15,b=15,c=0

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;

}

Solution Output:

x and y are equal

**3.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;

}

**Solution Output:**

First character 1

Second character 49

**4.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;

}

Solution Output:

Value of t: 0

**5.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;

}

**Output:**

N