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;
 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;
```

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

3.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

4.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

5.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

6.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