



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;
    }
}

```

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

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

Note:- Please try to invest time doing the assignments which are necessary to build a strong foundation. Do not directly Copy Paste using Google or ChatGPT. Please use your brain 😊.
