



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

conditional2 >  assignmentq1.cpp >  main()

```
1  #include<iostream>
2  using namespace std;
3  int main (){
4      int n;
5      cout<<"enter the amount: ";
6      cin>>n;
7      int n1=0, n2=0 ,n5=0, n10=0, n20=0;
8      int n50=0, n100=0, n200=0 ,n500=0;
9      if (n>=500){
10         n500=n /500;
11         n -=(500*n500);
12     }
13     if (n>=200){
14         n200=n /200;
15         n -=(200*n200);
16     }
17     if (n>=100){
18         n100=n /100;
19         n -=(100*n100);
20     }
21     if (n>=50){
22         n50=n /50;
23         n -=(50*n50);
24     }
25     if (n>=20){
26         n20=n /20;
27         n -=(20*n20);
28     }
29     if (n>=10){
30         n10=n/10;
```

```
31         n -=(10*n10);
32     }
33     if (n>=5){
34         n5=n /5;
35         n -=(5*n5);
36     }
37     if (n>=2){
38         n2=n /2;
39         n -=(2*n2);
40     }
41     if (n>=1){
42         n1=n /1;
43         n -=(1*n1);
44     }
45     cout<<n1+n2+n5+n20+n10+n50+n100+n200+n500;
46
47 }
```

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;
}
```

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;
}
```

**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;
}
```

OUTPUT :- 'N'

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 :- 0