

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int num;
6     cout<<"Enter a number";
7     cin>>num;
8     if(num>0){
9         if(num>100){
10            cout<<"the number is larger";
11        }
12        else{
13            cout<<"the number is smaller";
14        }
15    }
16    if(num<0){
17        if(num<100){
18            cout<<"the number is very small";
19        }
20        else{
21            cout<<"the number is small and negative";
22        }
23    }
24    else{
25        cout<<"the number is zero";
26    }
27    return 0;
28 }
```

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Enter a number60

the number is smaller.

-----  
Process exited after 6.459 seconds with return value 0

Press any key to continue . . . |

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int age;
6     cout<<"Enter your age:";
7     cin>>age;
8     if(age<0){
9         cout<<"Invalid age";
10    }
11    if(age>0&&age<=12){
12        cout<<"Child";
13    }
14    if(age>13&&age<=19){
15        if(age==13){
16            cout<<"Just a teen";
17        }
18        cout<<"teenager";
19    }
20    if(age>20&&age<60){
21        cout<<"Adult";
22    }
23    if(age>60){
24        cout<<"senior citizen";
25    }
26    return 0;
27 }
```

Enter your age:40  
Adult

-----  
Process exited after 2.914 seconds with return value 0  
Press any key to continue . . . |

```
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      char op;
6      int num1,num2;
7      cout<<"Enter the operation:";
8      cin>>op;
9      cout<<"Enter two numbers:";
10     cin>>num1>>num2;
11     switch(op){
12         case '+':
13             cout<<num1<<"+"<<num2<<"="<<num1+num2;
14             break;
15         case '-':
16             cout<<num1<<"-"<<num2<<"="<<num1-num2;
17             break;
18         case '*':
19             cout<<num1<<"*"<<num2<<"="<<num1*num2;
20             break;
21         case '/':
22             if(num2!=0)
23                 cout<<num1<<"/"<<num2<<"="<<num1/num2;
24             else
25                 cout<<"undefined";
26             break;
27         default:
28             cout<<"wrong operation";
29             break;
30     }
31     return 0;
32 }
```

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Enter the operation:-

Enter two numbers:6

5-9=-3

-----  
Process exited after 9.15 seconds with return value 0  
Press any key to continue . . . |

lab task statement task 4.cpp

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     char operation;
6     double amount,finalamount;
7     cout<<"Choose your operation which you want (deposit-D,withdraw-W,transfer-T):";
8     cin>>operation;
9     cout<<"Enter the amount";
10    cin>>amount;
11    switch(operation){
12        case 'D':
13            finalamount=amount-(0.5/100*amount);
14            cout<<"total remaining balance after deposite:"<<finalamount;
15            break;
16        case 'W':
17            finalamount=amount-(1.5/100*amount);
18            cout<<"total remaining balance after withdraw:"<<finalamount;
19            break;
20        case 'T':
21            finalamount=amount-(2.5/100*amount);
22            cout<<"total remaining balance after transfer:"<<finalamount;
23            break;
24        default:
25            cout<<"invalid operation";
26    }
27    return 0;
28 }
```

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Choose your operation which you want (deposit-D,withdraw-W,transfer-T):T

Enter the amount4494575667

Total remaining balance after transfer:4.38221e+09

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Process exited after 4.753 seconds with return value 0

Press any key to continue . . . |



```
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      int number;
6      cout<<"1 for MONDAY"<<endl;
7      cout<<"2 for TUESDAY"<<endl;
8      cout<<"3 for WEDNESDAY"<<endl;
9      cout<<"4 for THURSDAY"<<endl;
10     cout<<"5 for FRIDAY"<<endl;
11     cout<<"6 for SATURDAY"<<endl;
12     cout<<"7 for SUNDAY"<<endl;
13     cout<<"Enter the number of your choice 1-7:";
14     cin>>number;
15
16     switch(number){
17     case 1:
18         cout<<"Start of the workweek";
19         break;
20     case 2:
21         cout<<"It's Tuesday, stay productive.";
22         break;
23     case 3:
24         cout<<"Midweek motivation!";
25         break;
26     case 4:
27         cout<<"Almost the weekend.";
28         break;
29     case 5:
30         cout<<"TGIF!";
31         break;
32     case 6:
33         cout<<"Relax, it's Saturday.";
34         break;
35     case 7:
36         cout<<"Enjoy your Sunday!";
37         break;
38     default:
39         cout<<"Invalid day selection.";
40         break;
41     }
42     return 0;
43 }
```

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```
1 for MONDAY
2 for TUESDAY
3 for WEDNESDAY
4 for THURSDAY
5 for FRIDAY
6 for SATURDAY
7 for SUNDAY
```

Enter the number of your choice 1-7:6

Relax, it's Saturday.

-----

Process exited after 6.102 seconds with return value 0  
Press any key to continue . . . |

## lab task statement task 6.cpp

```
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      int score;
6      cout<<"enter your score(out of 100):";
7      cin>>score;
8      if(score>=90){
9          cout<<"Grade A";
10     }
11     if(score>=80&&score<89){
12         if(score>=85){
13             cout<<"Grade:B+";
14         }
15         if(score<85){
16             cout<<"Grade B";
17         }
18     }
19     if(score>70&&score<80){
20         if(score>=75){
21             cout<<"Grade C+";
22         }
23     }
24     if(score<75){
25         cout<<"Grade C";
26     }
27 }
28     if(score>=60&&score<69){
29         cout<<"Grade D";
30     }
31     if(score<60){
32         cout<<"Grade F";
33     }
34     return 0;
35 }
36 }
```

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enter your score(out of 100):88

Grade:B+

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Process exited after 3.565 seconds with return value 0

Press any key to continue . . . |