```cpp
// TASK-01
#include <iostream>
using namespace std;
int main(){
    int marks;                      //defining variable

    cout<<"Enter your marks: ";
    cin>>marks;                     //entering marks

     if(marks>=90 && marks<=100)      // assigning marks for A grade
    cout<<"You got A grade!";

  else if                           //applying conditions
    (marks>=75 && marks<=90)        //assigning marks for B grade
    cout<<"You got B grade!";

    else if                         //applying conditions
    (marks>=60 && marks<75)         //assigning marks for C grade
    cout<<"You got C grade!";

     else if                        //applying conditions
    (marks>=45 && marks<=60)        //assigning marks for D grade
    cout<<"You got D grade!";

     else if                        //applying conditions
    (marks>=0 && marks<=45)         //assigning marks for E grade
    cout<<"You got F grade!";
    return 0;
}
```

```cpp
// TASK-02

#include <iostream>
using namespace std;
    int num;                                    //defining variables

    cout << "Enter an integer: " <<endl;
    cin >> num;                                 //entering integer

    if (num % 2 == 0 && num % 5 == 0) {         //applying condition
        cout<<" It is both even and divisible by 5 !" << endl;
    } else {
        cout<< "It is not even but is divisible by 5 !" << endl;
    }                                           //taking output

}


// TASK-03

#include <iostream>
using namespace std;
    int year;                                   //defining variables

    cout << "Enter a year : "<<endl;   //taking output
    cin >> year;                                //entering year

    if (year % 4 == 0) {                        //entering conditions
```

```cpp
        cout<<"It is a leap year !";                    //setting outputs
    } else {
        cout<<"It is not a leap year !";
    }
}
```

// TASK-04

```cpp
#include <iostream>
using namespace std;
    double GPA, attendance;                          //defining variables

    cout<<"Enter your GPA : ";                        //taking output
    cin>>GPA;

    cout<<"Enter your attendence percentage : ";
    cin>>attendance;                                  //entering input

    if (GPA>=3.5 && attendance>=80){                  //setting conditions
    cout<<"You are eligible for the scholarship!";
}
    else{
        cout<<"You are not eligible for the scholarship!";
    }                                                 //applying condition
}
```

```cpp
// TASK-05

#include <iostream>
using namespace std;
int main(){
    char ch;                                        //defining variables
    cout<<"Insert a character: ";
    cin>>ch;                                        //entering character

    if(ch=='a'||ch=='e'||ch=='i'||ch=='o'||ch=='u'||    //defining alphabets
    ch=='A'||ch=='E'||ch=='I'||ch=='O'||ch=='U'){
    cout<<"The character is a vowel !";
}

    else{
    cout<<"The character is a consonant !";         //applying condition
}

}
```