

```
// Grading system////////////////////////////////////  
  
#include<iostream>  
  
using namespace std;  
  
int main()  
{  
    int marks;  
    char grade;  
    cout << "Enter the student's marks to show Grade " << endl;  
    cin >> marks;  
    cout << "Grade is ";  
    if(marks > 80)  
    {  
        cout << "A";  
    }  
    else if(marks>=60)  
    {  
        cout << "B";  
    }  
    else if(marks>=50)  
    {
```

```
        cout << "C";  
    }  
    else if(marks>=45)  
    {  
        cout << "D";  
    }  
    else if(marks>=25)  
    {  
        cout << "E";  
    }  
    else  
    {  
        cout << "F";  
    }  
    return 0;  
  
}
```

```
// Shopping Discount ////////////////////////////////////////  
  
#include<iostream>  
  
using namespace std;  
  
int main()  
{  
  
    double amount,discount,net_value;  
  
    const int discount_rate=10;  
  
    cout << "Total amount of shopping " << endl;  
  
    cin >> amount;  
  
    if(amount>=1000)  
    {  
  
        discount=amount*discount_rate/100;  
  
        net_value=amount-discount;  
  
        cout << "Your net amount is " << net_value << endl;  
  
        cout << "Your discount is " << discount;  
  
    }  
  
    else  
  
    {  
  
        cout << "Your payable amount is " << amount <<endl;  
  
        cout << "Can not give you discount";  
  
    }  
}
```

}

}

```
//Salary //////////////////////////////////////
```

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    double salary,bonus,total_salary;
```

```
    int years;
```

```
    const int bonus_rate=5;
```

```
    cout << "Employee salary amount " << endl;
```

```
    cin >> salary;
```

```
    cout << "Employee experiences in years " << endl;
```

```
    cin >> years;
```

```
    if(years>5)
```

```
    {
```

```
        bonus=salary*bonus_rate/100;
```

```
        total_salary=salary+bonus;
```

```
        cout << "Employee salary is " << total_salary << endl;
```

```
        cout << "Employee Bonus is " << bonus;
```

```
    }
```

```
    else
```

```
{  
    cout << "Employee salary is " << salary << endl;  
    cout << "Can not give you Bonus";  
}  
}
```

```
//Concatenation without + Operator////////////////////////////////////
```

```
#include<iostream>
```

```
#include<string>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    string name1,name2,str;
```

```
    int length;
```

```
    cout << "Write a string " <<endl;
```

```
    getline(cin,name1);
```

```
    cout << "Write another string " << endl;
```

```
    getline(cin,name2);
```

```
    str=name1.append(name2);
```

```
    length=str.length();
```

```
    cout << "The given string is -----" <<endl << str << endl;
```

```
    cout << "Length of the string is " << length <<endl;
```

```
    return 0;
```

```
}
```