

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 int main()
4 {
5     double x;
6     cout << "Enter richter level : ";
7     cin >> x;
8     if (x < 5.0) {
9         cout << "Enter richter level : " << x << "\n";
10        cout << "Little or no damage";
11    } else if (x >= 5.0 && x < 5.5)
12    {
13        cout << "Enter richter level : " << x << "\n";
14        cout << "Some damage";
15    } else if (x >= 5.5 && x < 6.5)
16    {
17        cout << "Enter richter level : " << x << "\n";
18        cout << "Serious damage";
19    } else if (x >= 6.5 && x < 7.5)
20    {
21        cout << "Enter richter level : " << x << "\n";
22        cout << "Disaster";
23    } else
24    {
25        cout << "Enter richter level : " << x << "\n";
26        cout << "Catastrophe";
27    }
28 }
```

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 int main()
4 {
5     double salary, ot, summoney, vat, ID;
6     string name;
7     cout << "Input ID : ";
8     cin >> ID;
9     cout << "Input name : ";
10    cin >> name;
11    cout << "Input Salary : ";
12    cin >> salary;
13    cout << "Input OT : ";
14    cin >> ot;
15    summoney = salary + ot;
16
17    if (summoney >= 100000) {
18        vat = summoney * 0.1;
19    }
20    else if (summoney >= 70000)
21    {
22        vat = summoney * 0.07;
23    }
24    else if ( summoney >= 50000)
25    {
26        vat = summoney * 0.05;
27    }
28    else if (summoney >= 30000)
29    {
30        vat = summoney * 0.03;
31    }
32    else if (summoney < 30000)
33    {
34        vat = summoney * 0.01;
35    }
36    cout << "ID : " << ID << "\n";
37    cout << "Name : " << name << "\n";
38    cout << fixed << setprecision(2) << "Salary : " << salary << "\n";
39    cout << fixed << setprecision(2) << "OT : " << ot << "\n";
40    cout << fixed << setprecision(2) << "Tatal income : " << summoney << "\n";
41    cout << fixed << setprecision(2) << "Tax : "<< vat << "\n";
42 }
```

```
1 #include <iostream>
2 #include <iomanip>
3 using namespace std;
4
5 int main() {
6     char type_employee;
7     double base, extra, salary;
8
9     cout << "Enter type of employee (Daily : D, Monthly: M, Temp : T) : ";
10    cin >> type_employee;
11
12    switch (type_employee) {
13        case 'D':
14            base = 4000;
15            extra = 0.2;
16            salary = base + (base * extra);
17            break;
18
19        case 'M':
20            base = 8000;
21            extra = 0.5;
22            salary = base + (base * extra);
23            break;
24
25        case 'T':
26            base = 6000;
27            extra = 0.2;
28            salary = base + (base * extra);
29            break;
30
31        default:
32            cout << "Invalid employee type!" << endl;
33            return 1;
34    }
35
36    cout << "Salary = " << base << " + (" << base << " * " << extra << ") = " << salary << endl;
37
38    return 0;
39 }
```

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 int main()
4 {
5     int year;
6     cout << "Enter year (Buddhist Era) : ";
7     cin >> year;
8     if (year % 4 == 0 && year % 100 == 1)
9     {
10         cout << "Enter year (Buddhist Era) : " << year << "\n";
11         cout << "This is leap year";
12     }
13     if (year % 4 != 0 && year % 100 != 1)
14     {
15         cout << "Enter year (Buddhist Era) : " << year << "\n";
16         cout << "This is not leap year";
17     }
18 }
```

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 int main()
4 {
5     int year;
6     cout << "Enter year (Buddhist Era) : ";
7     cin >> year;
8     if (year % 4 == 0 && year % 100 == 1)
9     {
10         cout << "Enter year (Buddhist Era) : " << year << "\n";
11         cout << "This is leap year";
12     }
13     if (year % 4 != 0 && year % 100 != 1)
14     {
15         cout << "Enter year (Buddhist Era) : " << year << "\n";
16         cout << "This is not leap year";
17     }
18 }
```