```cpp
# include <iostream>
Using namespace std;

class dayType
{
    private :
    string days [7];

    string currentDay;

    int numDays;

    public :

    void setDay (string newDay);

    void printDay() const;

    int showDay (int Sday);

    int nextDay (int day);

    int prevDay (int day) const;

    int calcDay (int day, int numDays);

    datType ()
    {
        days [0] = "Sunday";

        days [1] = "Monday";

        days [2] = "Tuesday";

        days [3] = "Wednesday";
```

```
        days[4]  =  "Thursday";

        days[5]  =  "Friday";

        days[6]  =  "Saturday";

        currentDay  =  days[0];

        numDays  =  0;
    };

    dayType ();
    };

void dayType :: setDay (string newDay)
{
        currentDay = newDay;
}

void   dayType :: printDay ()
{
        cout << "Day choosen is" << currentDay << endl;
}

int  dayType: showDay (int & day)
{
        return day;
}

int  dayType :: nextDay (int day)
{
        day = d++;
```

```cpp
if ( day 76)

    day = day ./. 7;

    switch (day)

    {

    case 0: cout << "The next day is Sunday";
    break;
    case 1: cout << "The next day is Monday";
    break;

    case 2: cout << "The next day is Tuesday";

    break;

    case 3: cout << "The next day is Wednesday";

    break;

    case 4: cout << "The next day is thursday";

    break;

    case 5: cout << "The next day is Friday";

    break;

    case 6: cout << "The next day is
                    Saturday";
    break;
    }

    cout << endl;
    return day;
    }
```

```cpp
int datType :: prevDay (int day)
{
    day = day--;

    switch (day)
    {
        case-1: cout << "The previous day is
                        Saturday.";
        break;

        case 2: cout << "The previous day is Saturday";
        break;

        case 1: cout << "The previous day is Sat.";  // press
        break;
        case 2: cout << "The previous day is Saturday";
        break;

        case 3: cout << "The previous day is Saturday";
        break;

        case 4: cout << "The previous day is Saturday";
        break;

        case 5: cout << "The previous day is
                        Saturday";
        break;

        default: cout << "The previous day is
                          Saturday";
    }
    cout << endl;
} return day;
```

```cpp
int  dayType :: calcDay (int addDays, int humDays)
{
    add Days = addDays + humDays;
    if (addDays 76)
    addDays = addDays % 7;
    switch (add Days)
    {
    case 0 : cout << "The calculated day is
                    Sunday";
        break;
    case 1 : cout << "The calculated day is
                    Monday";
        break;
    case 2 : cout << "The calculated day is
                    Tuesday";
    case 3 : cout << "The calculated day is
                    Wednesday";
        break;
    case 4 : cout << "The calculated day is
                    Thursday";
    case 5 : cout << "The calculated day is
                    Friday";
        break;
    cout 6 : cout << "The calculated day is
                    Saturday";
        break;
```

```
            default : cout << "Not valid choice";
            }

        cout << endl.
        return addDays;
        }

    void showSelections();

    int main()
    {

        dayType userDay;

        int currentDay;

        int addDays;

        int test;

        String day;

        do
        {
            test = 0;
        showSelections ();

        cin >> currentDay;
        cout << endl;
        if (currentDay == 0)
        {
            userDay.setDay ("Sunday");
```

```
        }

    else if ( currentDay = 1)
                                    Monday
        UserDay.setDay ("Tuesday");
    else if ( current Day = 2)

        UserDay.setDay ("Tuesday");
    else if ( currentDay = 3)
        UserDay.setDay ("Wednesday");

    else if  (currentDay = 4)

        UserDay.setDay ("Thursday");
    else if ( current Day = 5)
        UserDay.setDay (" Friday");
    else if ( current Day = 6)
        UserDay.setDay (" Saturday");

    else if  (currentDay = 7)

        cout << "Exiting.....";
        return 0;
    else
        cout << "Not avalic choice" << endl;

        test = -37;

    }

    while ( test <0);
    UserDay.printDay ();
        cout << endl;
```

```
                    Point
        UserDay.showDay (currentDay);
        cout << endl;

        User Day.showDay (currentDay);
        cout << endl;

        cout
        UserDay.nextDay (current Day);
        User Day.prevDay (current Day);
        cout<<" Enter the no of days to add";

        cin << addDays;
        User.Day.calcDay (currentDay(current Day,add Days);

        system("pause");

        return 0;
}
void showSelections ()
        cout <<" Enter day";
        cout << "0 For Sun";
        cout << "1 for Mon";

        cout << "2 for Tue",
        cout << "3 for Wed";
        cout << "4 for Thurs",
        cout << "5 for Fri";
        cout << "6 for Sat";

        cout << "9 for Exit";
}
```