```
#include <iostream>
# include <string>
using name space std;

void menu();

class dayType {

    string Wdays[7];
     int i;
      string day;
      string prDay;
      string Nxt Day;
      string AddDays;
public:
      dataType (string);
  with one parameter
   string setday();
   string preday();
   void Nextday();
   string add(int n);
   void print();
};
```

```
int main()
{
    int n;
    string d;
    menu();
cout << "Enter the day:";
 getline(cin, d);
 dataType Da(d);
    Da.setday();
    Da.preday();
    Da.Nextday();

cout << "Enter the NO of days to add:";

while(!(cin>>n)||n<0){
      cin.clear();
      cin.ignore(999, '\n');
    cout << "invalid data type!\n Please
    enter NO. of days to add again:";
}

    Da.add(n);
    Da.print();
    system("pause");
    return 0;
}
```

```
dayType::dayType(string i):day(i)
{ wdays[0] = "Mon";
  wdays[1] = "Tues";
  wdays[2] = "Wed";
  wday[3] = "Thur";
  wday[4] = "Fri";
  wday[5] = "Sat";
  wday[6] = "Sun";
}
stringdayType::setday()
{
    if(day == wdays[0])
    {
        i=0;
    }
   else if (day == wdays[1])
    {
       i=1;
    }

   else if (day == wdays[2])
    {
        i=2;
    }
```

```
else if ( day == wdays[3])
{
    i=3;
}

else if ( day == wdays[4])
{
    i=4;
}

else if ( day == wdays[5])
{
    i=5;
}

else if ( day == wdays[6])
{
    i=6;
}

else {
    day = "invalid input";
    i=7;
}
    return day ;
}
```

```
string dayType::preday()
  if(i==0)
     prDay = Wdays[6];

  else if (i==7)
     prDay = "invalid input";

  else
     prDay = Wdays[i-1];
   return prDay;
}

void dayType::Nextday()

     if (i==6)
      NxtDay = Wdays[0];
      else if (i==7)
        prDay = "invalid input";
      else
        NxtDay = Wdays[i+1];
  }
string dayType::add(int n)
{  n = n+i;
   while (n>=7)
   {   n = n-7;
   }
```

```
if (p==7)
    wdays[n] = "Invalid Input";
    return AddDays = wdays[n];
}
void dayType :: print()
{
cout << endl << "Day=" << day
 << " day" << endl;

cout << "Previous day:" << PrDay
    << " day" << endl;

cout << "Next day:" << NxtDay
    << " day" << endl;

cout << "After adding days:"
 << AddDays << " day" << endl; }

void menu()
 menu

cout << " endl;

cout << " Enter 'Sun' for 'Sunday" << endl;

cout << " Enter 'Mon' for Monday" << endl;

cout << " Enter 'Tues' for Tuesday" << endl;
```

```
cout<<" 'Wedne' for wednesday"<<endl;

cout<<"Enter 'Thurs' for "Thursday"<<endl;

cout<<"Enter 'Fri' for 'Friday"<<endl;

cout<<"\t Enter 'Satur' for 'Saturday"
    <<endl;
```