

```

1 #include <iostream>
2 #include "Date.h"
3 using namespace std;
4
5 int main()
6 {
7     Date d1(2024, 4, 11);
8     Date d2(2024, 45, 14);
9
10    cout << "Year: " << d1.getYear() << ", ";
11    cout << "Month: " << d1.getMonth() << ", ";
12    cout << "Day: " << d1.getDay() << endl;
13    d1.displayDate();
14
15    cout << endl;
16
17    cout << "INVALID MONTH VALUE: " << endl;
18    cout << "Year: " << d2.getYear() << ", ";
19    cout << "Month: " << d2.getMonth() << ", ";
20    cout << "Day: " << d2.getDay() << endl;
21    d2.displayDate();
22
23    return 0;
24 }

```

```

1 #include <iostream>
2 #include "Date.h"
3 using namespace std;
4
5 Date::Date(int y, int m, int d){
6     setYear(y);
7     setMonth(m);
8     setDay(d);
9 }
10
11 void Date::displayDate(){
12     cout << year << "/" << month << "/" << day << endl;
13 }
14
15 void Date::setYear(int y){
16     year = y;
17 }
18
19 void Date::setMonth(int m){
20     month = (m >= 1 and m <= 12) ? m : 1;
21 }
22
23 void Date::setDay(int d){
24     day = d;
25 }
26
27 int Date::getYear(){
28     return year;
29 }
30
31 int Date::getMonth(){
32     return month;
33 }
34
35 int Date::getDay(){
36     return day;
37 }

```

```
1  #ifndef DATE_H
2  #define DATE_H
3
4  class Date{
5      public:
6          Date(int = 0, int = 1, int = 0);
7          void setYear(int);
8          void setMonth(int);
9          void setDay(int);
10
11          int getYear();
12          int getMonth();
13          int getDay();
14
15          void displayDate();
16
17      private:
18          int year;
19          int month;
20          int day;
21  };
22
23  #endif
```

```
Year: 2024, Month: 4, Day: 11
2024/4/11
```

```
INVALID MONTH VALUE:
Year: 2024, Month: 1, Day: 14
2024/1/14
```