Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main() {
    int day, month, year;
    int daysinmonth[] =
    {31,28,31,30,31,30,31,31,30,31,30,31};
    int daysofyear = 0;
    scanf("%d\n%d\n%d", &day,&month,&year);
    if ((year%4 == 0 && year%100!= 0) || (year%400 == 0))
    { daysinmonth[1]=29;
    }
    for (int i=0;i<month - 1;i++) {
        daysofyear+=daysinmonth[i];
    }
        daysofyear +=day;
        printf("%d", daysofyear);
        return 0;
    }
```

	Input	Expected	Got	
✓	18 6 2020	170	170	✓

Passed all tests! ✓

Question **2**

```c
#include<stdio.h>
int main() {
    char Sh;
    int side1,side2,area;
    scanf("%c",&Sh);
    scanf("%d\n%d",&side1,&side2);
    if (Sh == 'R') {
        area = side1*side2;
    }
    else if(Sh == 'S') {
        area = (side1*side2) / 2;
    }
    else if(Sh == 'T') {
        area = side1*side2;
    }
    else {
        area = 0;
}
printf("%d",area);
return 0;
}
```

	Input	Expected	Got	
✓	T 10 20	200	200	✓
✓	S 30 40	600	600	✓
✓	B 2 11	0	0	✓
✓	R 10	300	300	✓

```c
#include<stdio.h>
int main()
{
    int sides;
    scanf("%d", &sides);
    switch (sides) {
        case 3:
        printf("Triangle\n");
        break;
        case 4:
        printf("Quadrilateral\n");
        break;
        case 5:
        printf("Pentagon\n");
        break;
        case 6:
        printf("Hexagon\n");
        break;
        case 7:
        printf("Heptagon\n");
        break;
        case 8:
        printf("Octagon\n");
        break;
        case 9:
        printf("Nonagon\n");
        break;
        case 10:
        printf("Decagon\n");
        break;
        default :
        printf("The number of sides is not supported.\n");
    }
    return 0;
}
```

	Input	Expected	Got	
✓	3	Triangle	Triangle	✓
✓	7	Heptagon	Heptagon	✓
✓	11	The number of sides is not supported.	The number of sides is not supported.	✓

Passed all tests! ✓

1

Example Output Monday

Answer: (penalty regime: 0 %)

```c
#include <stdio.h>
int main() {
    int n;
    scanf("%d",&n);
    int day = (n%10)+1;
    if (day == 11) {
        day = 1;
    }
    switch (day) {
        case 1:
        printf("Sunday");
        break;
        case 2:
        printf("Monday");
        break;
        case 3:
        printf("Tuesday");
        break;
        case 4:
        printf("Wednesday");
        break;
        case 5:
        printf("Thursday");
        break;
        case 6:
        printf("Friday");
        break;
        case 7:
        printf("Saturday");
        break;
        case 8:
        printf("Kryptonday");
        break;
        case 9:
        printf("Coluday");
        break;
        case 10:
        printf("Daxamday");
        break;
    }
    return 0;
}
```

	Input	Expected	Got	
✓	7	Kryptonday	Kryptonday	✓
✓	1	Monday	Monday	✓

Flag question

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int num1, num2;
    scanf("%d %d",&num1,&num2);
    if (num1 % 10== num2 % 10){
        printf("true\n");
    }
    else{
        printf("false\n");
    }
    return 0;
    }
```

	Input	Expected	Got	
✓	25 53	false	false	✓
✓	27 77	true	true	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```c
#include <stdio.h>
int main()
{
int n;
scanf("%d",&n);
if(n % 2 != 0){
    printf("Weird\n");
}else {
    if (n >= 2 && n <= 5) {
        printf("Not Weird\n");
    }else if (n >= 6 && n <= 20){
        printf("Weird\n");
    }else if (n > 20){
        printf("Not Weird\n");
    }
}
return 0;
}
```

	Input	Expected	Got	
✓	3	Weird	Weird	✓
✓	24	Not Weird	Not Weird	✓

Passed all tests! ✓

Flag question

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main ()
{
    int a, b, c;
    scanf("%d %d %d", &a, &b, &c);
    if((a * a == b * b + c * c)||
    (b * b == a * a + c * c)||
    (c * c == a * a + b * b)){
        printf("yes\n");
    }else {
        printf("no\n");
    }
    return 0;
}
```

	Input	Expected	Got	
✓	3 5 4	yes	yes	✓
✓	5 8 2	no	no	✓

Answer: (penalty regime: 0 %)

```c
#include <stdio.h>
int main()
{
    int year;
    const char *zodiac[] = {
        "Dragon", "Snake", "Horse", "Sheep", "Monkey", "Rooster",
        "Dog", "Pig", "Rat", "Ox", "Tiger", "Hare"};
        scanf("%d", &year);
        int index = (year - 2000) % 12;
        if (index < 0) {
            index += 12;
        }
        printf("%s\n", zodiac[index]);
        return 0;
}
```

	Input	Expected	Got	
✓	2004	Monkey	Monkey	✓
✓	2010	Tiger	Tiger	✓

Passed all tests! ✓

```c
#include<stdio.h>
int main()
{
    char column;
    int row;
    scanf("%c%d", &column, &row);
    if (column >= 'a' && column <= 'h') {
        column = column - 'a' + 'A';
    }
   int column_start_black = (column - 'A') % 2 == 0;
   int is_black_square = (column_start_black && row % 2 != 0)||
   (!column_start_black && row % 2== 0);
    if (is_black_square){
        printf("The square is black.\n");
    }else{
        printf("The square is white.\n");
    }
    return 0;
}
```

	Input	Expected	Got	
✓	a 1	The square is black.	The square is black.	✓
✓	d 5	The square is white.	The square is white.	✓

Passed all tests! ✓