

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     int num1,num2;
4     scanf("%d%d",&num1,&num2);
5     int lastDigit1=num1%10;
6     int lastDigit2=num2%10;
7     if(lastDigit1==lastDigit2){
8         printf("true\n");
9     }else{
10         printf("false\n");
11     }
12     return 0;
13 }
```

	Input	Expected	Got
--	-------	----------	-----

✓	25 53	false	false ✓
---	-------	-------	---------

✓	27 77	true	true ✓
---	-------	------	--------

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     int n;
4     scanf("%d",&n);
5     if(n%2!=0){
6         //n is odd
7         printf("Weird\n");
8     }else{
9         //n is even
10        if(n>=2&& n<=5){
11            printf("Not Weird\n");
12        }else if(n>=6 && n<=20){
13            printf("Weird\n");
14        }else if (n>20){
15            printf("Not Weird\n");
16        }
17    }
18    return 0;
19 }
20
```

	Input	Expected	Got	
--	-------	----------	-----	--

✓	3	Weird	Weird	✓
✓	24	Not Weird	Not Weird	✓

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     int a,b,c;
4     scanf("%d%d%d",&a,&b,&c);
5     if((a*a+b*b==c*c) ||
6        (a*a+c*c==b*b) ||
7        (b*b+c*c==a*a)){
8         printf("yes\n");
9     }else{
10        printf("no\n");
11    }
12    return 0;
13 }
14
15
16
```

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

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main() {
3     int sides;
4     char *shapes[] = {"", "", "Triangle", "Quadrilateral", "Pentagon", "Hexagon", "Heptagon", "Octagon", "Nonagon", "Decagon", "Undecagon", "Dodecagon"};
5     scanf("%d", &sides);
6
7     if(sides >= 3 && sides <= 10)
8     {
9         printf("%s\n", shapes[sides]);
10    }
11    else{
12        printf("The number of sides is not supported.\n");
13    }
14    return 0;
15 }
16
17
18
19
20
21
22
```

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

Tiger

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 * int main() {
3     int year;
4     const char *animals[]={"Dragon","Snake","Horse","Sheep","Monkey","Rooster","Dog","Pig","Rat","Ox","Tiger","Horse"};
5     scanf("%d", &year);
6     int index =(year-2000) %12;
7
8     // Adjust for negative indices
9     if(index < 0){
10         index +=12; //Adjust for negative years
11     }
12     //Display the corresponding animal
13     printf("%s\n",animals[index]);
14
15     return 0;
16 }
```

Input Expected Got

✓ 2004 Monkey Monkey ✓

✓ 2010 Tiger tiger ✓

The square is white.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2
3 int main(){
4     char column;
5     int row;
6     scanf("%c%d",&column,&row);
7     int columnIndex=column-'a';
8     if((columnIndex+row)%2==0){
9         printf("The square is white.\n");
10    }else{
11        printf("The square is black.\n");
12    }
13    return 0;
14 }
```

Input Expected

Got

✓ a 1 The square is black. The square is black. ✓

✓ d 5 The square is white. The square is white. ✓


```

1 #include<stdio.h>
2
3 int isleapyear(int year)
4 {
5     if(year%400==0)
6         return 1;
7     else if(year%100==0)
8         return 0;
9     else if(year%4==0)
10        return 1;
11    else
12        return 0;
13 }
14
15 int dayofyear(int day,int month,int year)
16 {
17     int dayInMonths[]={31,28,31,30,31,30,31,31,30,31,30,31};
18
19
20     if(isleapyear(year))dayInMonths[1]=29;
21
22     for(int i=0; i<month-1;i++)
23     {
24         day+=dayInMonths[i];
25     }
26
27     return day;
28 }
29
30 int main()
31 {
32     int day,month,year;
33
34     //printf("Enter day: ");

```

```

33
34     //printf("Enter day: ");
35     scanf("%d", &day);
36     //printf("Enter month: ");
37     scanf("%d", &month);
38     //printf("Enter year: ");
39     scanf("%d", &year);
40
41     day=dayofyear(day,month,year);
42     printf("%d\n",day);
43
44     return 0;
45 }
46

```

	Input	Expected	Got	
✓	18	170	170	✓
	6			
	2020			

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<string.h>
3 int main()
4 {
5     char shape;
6     int side1,side2,area;
7
8     scanf("%c", &shape);
9     scanf("%d %d", &side1, &side2);
10
11     if(shape=='R')
12     {
13         area=side1*side2;
14     }
15     else if(shape=='S')
16     {
17         area=(side1*side2)/2;
18     }
19     else if(shape=='T')
20     {
21         area=side1*side2;
22     }
23     else
24     {
25         area=0;
26     }
27
28     printf("%d\n",area);
29     return 0;
30 }
```

I

	Input	Expected	Got	
✓	T 10 20	200	200	✓
✓	S 30 40	600	600	✓
✓	B 2 11	0	0	✓
✓	R 10 30	300	300	✓
✓	S 40 50	1000	1000	✓

Passed all tests! ✓

```

1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6
7     char*days[]={ "Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday", "Kryptonday" };
8
9
10
11     int dayIndex=(n%296)%10;
12
13     printf("%s\n",days[dayIndex]);
14     return 0;
15 }
16

```

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

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     if (n<=1)
7         return 1;
8     int arr[n];
9     for(int i=0;i<n;i++)
10 {
11     scanf("%d",&arr[i]);
12 }
13 int large = arr[0];
14 int sec_large = -1;
15 for(int i = 1;i<n;i++)
16 {
17     if(arr[i] > large)
18     {
19         sec_large = large;
20         large = arr[i];
21     }
22     else if ((arr[i] > sec_large) && (arr[i] != large))
23         sec_large = arr[i];
24 }
25 printf("The largest element of the array = %d\n",large);
26 printf("The second largest element of the array = %d",sec_large);
27 return 0;
28 }
```

Input	Expected	Got	
✓ 5 2 5 9 7 3	The largest element of the array = 9 The second largest element of the array = 7	The largest element of the array = 9 The second largest element of the array = 7	✓
✓ 6 64 87 34 58 62 18	The largest element of the array = 87 The second largest element of the array = 64	The largest element of the array = 87 The second largest element of the array = 64	✓

Your code failed one or more hidden tests.

Your code must pass all tests to earn any marks. Try again.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<limits.h>
3 int main()
4 {
5     int n;
6     scanf("%d",&n);
7     int arr[n];
8     for (int i = 0;i<n;i++)
9     {
10         scanf("%d",&arr[i]);
11     }
12     int min = INT_MAX;
13     int sec_min = INT_MAX;
14     for (int i = 0;i<n;i++)
15     {
16         if(arr[i] < min)
17         {
18             sec_min = min;
19             min = arr[i];
20         }
21         else if((arr[i]<sec_min) && (arr[i]!= min))
22             sec_min = arr[i];
23     }
24     printf("Min element = %d\n",min);
25     printf("Second min element = %d",sec_min);
26     return 0;
27 }
```


	Input	Expected	Got	
✓	4 65 32 85 96	Min element = 32 Second min element = 65	Min element = 32 Second min element = 65	✓

Passed all tests! ✓

5	The total marks = 325
45	The average marks = 65.000000
65	
55	
75	
85	
4	The total marks = 175
36	The average marks = 43.750000
45	
38	
56	

Answer: (penalty regime: 0 %)

```

1  #include<stdio.h>
2  int main()
3  {
4      int n,sum = 0;
5      scanf("%d",&n);
6      int arr[n];
7      for(int i = 0;i<n;i++)
8      {
9          scanf("%d",&arr[i]);
10         sum += arr[i];
11     }
12     float average = (float)sum/n;
13     printf("The total marks = %d\n",sum);
14     printf("The average marks = %f",average);
15     return 0;
16 }
```

	Input	Expected	Got	
✓	5 45 65 55 75 85	The total marks = 325 The average marks = 65.000000	The total marks = 325 The average marks = 65.000000	✓
✓	4 36 45 38 56	The total marks = 175 The average marks = 43.750000	The total marks = 175 The average marks = 43.750000	✓

passed all tests! ✓


```

1  #include <stdio.h>
2  int main()
3  {
4      int i, j, m, n, p, q;
5      int a[5][5], b[5][5], c[5][5];
6      scanf("%d %d", &m, &n);
7      for (i = 0; i < m; i++)
8      { // Complete the code in for
9          for (j = 0; j < n; j++)
10         { // Complete the code in for
11             scanf("%d", &a[i][j]);
12         }
13     }
14     scanf("%d %d", &p, &q);
15     for (i = 0; i < p; i++)
16     { // Complete the code in for
17         for (j = 0; j < q; j++)
18         { // Complete the code in for
19             scanf("%d", &b[i][j]);
20         }
21     }
22     printf("The given matrix-1 is\n");
23     for(i = 0; i < m; i++)
24     {
25         for(j = 0; j < n; j++)
26         {
27             printf("%d ", a[i][j]);
28         }
29         printf("\n");
30     }
31     printf("The given matrix-2 is\n");
32     for (i = 0; i < p; i++)

```



```
32     for (i = 0; i < p; i++)
33     { // Complete the code in for
34         for (j = 0; j < q; j++)
35         {
36             printf("%d ", b[i][j]);
37         }
38         printf("\n");
39     }
40
41     if (m == p && n == q)
42     {
43         for (i = 0; i < m; i++)
44         {
45             for (j = 0; j < n; j++)
46             {
47                 c[i][j] = a[i][j] + b[i][j];
48             }
49         }
50     }
51     printf("Addition of two matrices is\n");
52     for (i = 0; i < m; i++)
```

	Input	Expected	Got	
✓	2 2 1 2 3 4 2 2 4 5 6 7	The given matrix-1 is 1 2 3 4 The given matrix-2 is 4 5 6 7 Addition of two matrices is 5 7 9 11	The given matrix-1 is 1 2 3 4 The given matrix-2 is 4 5 6 7 Addition of two matrices is 5 7 9 11	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

Reset answer

```
1  #include <stdio.h>
2  int main()
3  {
4      int i, j, k, m, n, p, q;
5      int a[5][5], b[5][5], c[5][5];
6      scanf("%d %d", &m, &n);
7      for (i = 0; i < m; i++)
8      { // Complete the code in for
9          for (j = 0; j < n; j++)
10         { // Complete the code in for
11             scanf("%d", &a[i][j]);
12         }
13     }
14     scanf("%d %d", &p, &q);
15     for (i = 0; i < p; i++)
16     { // Complete the code in for
17         for (j = 0; j < q; j++)
18         { // Complete the code in for
19             scanf("%d", &b[i][j]);
20         }
21     }
22     printf("The given matrix-1 is\n");
23     for(i = 0; i < m; i++)
24     {
25         for(j = 0; j < n; j++)
26         {
27             printf("%d ", a[i][j]);
28         }
29         printf("\n");
30     }
```

```

28     }
29     printf("\n");
30 }
31
32
33 printf("The given matrix-2 is\n");
34 for(i = 0;i<p;i++)
35 {
36     for(j = 0; j<q; j++)
37     {
38         printf("%d ",b[i][j]);
39     }
40     printf("\n");
41 }
42
43 if (n == p )
44 { // Write the condition part
45     for (i=0;i<m;i++)
46     { // Complete the code in for
47         for (j=0;j<n;j++)
48         { // Complete the code in for
49             c[i][j] = 0 ; // Complete the statement
50             for (k = 0;k<n;k++)
51             { // Complete the code in for
52                 c[i][j] += a[i][k]*b[k][j] ;// Complete the statement
53             }
54         }
55     }
56     printf("Multiplication of two matrices is\n");
57     for(i = 0;i<m;i++)
58     {
59         for(j = 0;j<q;j++)
60         {
61             printf("%d ", c[i][j]);

```


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```
56     printf("Multiplication of two matrices is\n");
57     for(i = 0;i<m;i++)
58     {
59         for(j = 0;j<q;j++)
60         {
61             printf("%d ", c[i][j]);
62         }
63         printf("\n");
64     }
65
66 }
67 else
68 {
69     printf("Multiplication is not possible");
70 }
71 return 0;
72 }
```

	Input	Expected	Got	
✓	2 3 1 2 3 5 7 9 3 2 3 2 1 5 6 7	The given matrix-1 is 1 2 3 5 7 9 The given matrix-2 is 3 2 1 5 6 7 Multiplication of two matrices is 23 33	The given matrix-1 is 1 2 3 5 7 9 The given matrix-2 is 3 2 1 5 6 7 Multiplication of two matrices is 23 33	✓

```

56 printf("Multiplication of two matrices is\n");
57 for(i = 0;i<m;i++)
58 {
59     for(j = 0;j<q;j++)
60     {
61         printf("%d ", c[i][j]);
62     }
63     printf("\n");
64 }
65 }
66 else
67 {
68     printf("Multiplication is not possible");
69 }
70 }
71 return 0;
72 }

```

	Input	Expected	Got	
✓	2 3 1 2 3 5 7 9 3 2 3 2 1 5 6 7	The given matrix-1 is 1 2 3 5 7 9 The given matrix-2 is 3 2 1 5 6 7 Multiplication of two matrices is 23 33	The given matrix-1 is 1 2 3 5 7 9 The given matrix-2 is 3 2 1 5 6 7 Multiplication of two matrices is 23 33	✓

```

1 #include <stdio.h>
2
3 int main()
4 {
5     char line[100];
6     int i, vowels = 0, consonants = 0, digits = 0, spaces = 0;
7     fgets(line, sizeof(line), stdin);
8     for ( i=0; line[i] != '\0'; i++ )
9     { // Complete the code in for
10         if (line[i] == 'a' || line[i] == 'A' || line[i] == 'e' || line[i] == 'E' || line[i] == 'i' || line[i] == 'I'
11         { // Write the condition part
12             ++vowels;
13         }
14         else if ((line[i] >= 'a' && line[i] <= 'z') || (line[i] >= 'A' && line[i] <= 'Z'))
15         { // Write the condition part
16             ++consonants;
17         }
18         else if (line[i] >= '0' && line[i] <= '9')
19         { // Write the condition part
20             ++digits;
21         }
22         else if (line[i] == ' ')
23         { // Write the condition part
24             ++spaces;
25         }
26     }
27     printf("Vowels = %d\n", vowels);
28     printf("Consonants = %d\n", consonants);
29     printf("Digits = %d\n", digits);
30     printf("White spaces = %d", spaces);
31     return 0;
32 }

```

	Input	Expected	Got	
✓	kohli hits 100 in every cricket match!	Vowels = 9 Consonants = 19 Digits = 3 White spaces = 6	Vowels = 9 Consonants = 19 Digits = 3 White spaces = 6	✓

Passed all tests! ✓

Reset answer

```
1 #include <stdio.h>
2
3 int main()
4 {
5     char str1[50], str2[50];
6     int i;
7     scanf("%s", str1);
8     for (i = 0 ; str1[i] != '\0' ; i++)
9     { //Complete the code in for
10         str2[i] = str1[i];
11     }
12     str2[i] = '\0' ; //Complete the statement
13     printf("The copied string = %s\n", str2);
14     return 0;
15 }
```

Input

Expected

Got

✓ GangaRiver The copied string = GangaRiver The copied string = GangaRiver ✓

Passed all tests! ✓

```

1 #include <stdio.h>
2
3 int main()
4 {
5     char a[20], b[20], c[20];
6     int i, j;
7     scanf("%s", a);
8     scanf("%s", b);
9     for (i = 0; a[i] != '\0'; i++)
10 { // Complete the code in for
11     c[i] = a[i]; //Complete the statement
12 }
13     for ( j = 0; b[j] != '\0'; j++)
14 { // Complete the code in for
15     c[i+j] = b[j]; //Complete the statement
16 }
17     c[i+j] = '\0'; //Complete the statement
18     printf("%s\n", c);
19     return 0;
20 }
21

```

	Input	Expected	Got	
✓	Narendra Modi	NarendraModi	NarendraModi	✓

Passed all tests! ✓

Reset answer

```
1 #include <stdio.h>
2
3 int main()
4 {
5     char a[20], b[20];
6     int i = 0, flag = 0;
7     scanf("%s", a);
8     scanf("%s", b);
9     while ( a[i] != '\0' && b[i] != '\0' )
10 { //Complete the condition part
11     if (a[i] != b[i] )
12     { //Complete the condition part
13         flag = 1; //Complete the statement
14         break;
15     }
16     i++;
17 }
18 if (flag == 0 && a[i] == '\0' && b[i] == '\0' )
19 { //Complete the condition part
20     printf("Two strings are equal\n");
21 }
22 else
23 {
24     printf("Two strings are not equal\n");
25 }
26 return 0;
27 }
```

	Input	Expected	Got	
✓	Godavari Godavari	Two strings are equal	Two strings are equal	✓
✓	Narmada narmada	Two strings are not equal	Two strings are not equal	✓

Passed all tests! ✓

Reset answer

```

1 #include <stdio.h>
2
3 int main()
4 {
5     char str[20], ch;
6     int count = 0, i;
7     scanf("%s", str);
8     scanf(" %c", &ch);
9     for (i = 0; str[i] != '\0'; i++)
10     { // Complete the code in for
11         if (str[i] == ch)
12         { // Write the condition part
13             count++;
14         }
15     }
16     if (count == 0)
17     { // Write the condition part
18         printf("The character '%c' is not presented in the string %s\n", ch, str);
19     }
20     else
21     {
22         printf("Occurrence of character '%c' in the given string %s = %d\n", ch, str, count);
23     }
24     return 0;
25 }

```

Got

Input	Expected	Got
✓ CurrencyDemonitisation n	Occurrence of character 'n' in the given string CurrencyDemonitisation = 3	Occurrence of character n

```

1 #include<stdio.h>
2
3 int main()
4 {
5     int upper_count = 0, lower_count = 0;
6     char ch[80];
7     int i;
8     scanf("%s", ch ); // Complete the statement
9     i = 0; // Complete the statement
10    while (ch[i] != '\0' )
11    { // Write the condition part
12        if ( ch[i] >='A' &&ch[i] <='Z' )
13        { // Write the condition part
14            upper_count++;
15        }
16        if ( ch[i] >='a' &&ch[i] <='z' )
17        { // Write the condition part
18            lower_count++;
19        }
20        i++;
21    }
22    printf("Number of uppercase letters = %d\n", upper_count );
23    printf("Number of lowercase Letters = %d\n", lower_count );
24    return 0;
25 }

```

Input	Expected	Got
✓ KrishnaAndGodavariAreRivers	Number of uppercase letters = 5 Number of lowercase Letters = 22	Number of uppercase letters = 5 ✓ Number of lowercase Letters = 22

Passed all tests! ✓

Answer: (penalty regime: 0 %)

Reset answer

```
1 #include<stdio.h>
2 #include<string.h>
3
4 int main()
5 {
6     char ch[80], temp;
7     int i, j;
8     scanf("%s", ch);
9     i = j = 0;
10    i = 0;
11    j = strlen(ch) - 1;
12    while (i<j )
13    { // Write the condition part
14        temp = ch[i] ; // Complete the statement
15        ch[i] = ch[j] ; // Complete the statement
16        ch[j] = temp; // Complete the statement
17        i++;
18        j--;
19    }
20    printf("The reverse of a given string : %s\n", ch);
21    return 0;
22 }
```

Input	Expected	Got
✓ Software	The reverse of a given string : erawtfoS	The reverse of a given string : erawtfoS ✓

Passed all tests! ✓

Reset answer

```
1 #include <stdio.h>
2
3 int main()
4 {
5     char ch[80];
6     int i, j, length, flag = 0;
7     scanf("%s", ch); // Complete the statement
8     length = 0;
9     while (ch[length] != '\0')
10 { //Write the condition part
11     length++;
12 }
13 for (i = 0, j = (length-1); i < j; )
14 { // Complete the code in for
15     if (ch[i] != ch[j])
16     { // Write the condition part
17         flag++;
18         break;
19     }
20     i++;
21     j--;
22 }
23 if (flag == 0)
24 { // Write the condition part
25     printf("The given string %s is a palindrome\n", ch); // Complete the statement
26 }
27 else
28 {
29     printf("The given string %s is not a palindrome\n", ch); // Complete the statement
30 }
31 return 0;
32 }
```

Search



	Input	Expected	Got	
✓	12321	The given string 12321 is a palindrome	The given string 12321 is a palindrome	✓
✓	amaravathi	The given string amaravathi is not a palindrome	The given string amaravathi is not a palindrome	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

Reset answer

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int main()
5 {
6     char ch[20];
7     scanf("%s", ch);
8     printf("The length of the string %s is %ld\n", ch, strlen(ch)); //Correct the code
9     return 0;
10 }
```

Input

Expected

Got

✓ Narendramodi The length of the string Narendramodi is 12 The length of the string Narendramodi is 12 ✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<string.h>
3 int main(){
4     char str1[20],str2[20];
5     scanf("%s",str2);
6     strcpy(str1,str2);
7     printf("The copied string = %s",str1);
8     return 0;
9 }
```

	Input	Expected	Got
--	-------	----------	-----

✓	Rose	The copied string = Rose	The copied string = Rose ✓
---	------	--------------------------	----------------------------

Passed all tests! ✓

Reset answer

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int main()
5 {
6     char str1[20], str2[20];
7     scanf("%s", str1);
8     scanf("%s", str2);
9     //Concat str2 with str1
10    printf("%s\n",strcat(str1,str2)); // Correct the code
11    return 0;
12 }
```

	Input	Expected	Got
--	-------	----------	-----

✓	REC Chennai	RECChennai	RECChennai ✓
---	----------------	------------	--------------

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int main()
5 {
6     char a[20], b[20];
7     //int i, j;
8     scanf("%s", a);
9     scanf("%s", b);
10    //Compare two strings
11
12    if (a[0]== b[0] )
13    { // Correct the code
14        printf("The given two strings are equal\n");
15    }
16    else if (a[0] > b[0] )
17    { // Correct the code
18        printf("The string %s is higher than the string %s\n", a, b);
19    }
20    else
21    {
22        printf("The string %s is higher than the string %s\n", b, a);
23    }
24    return 0;
25 }
```

	Input	Expected	Got
✓	NarendraModi narendramodi	The string narendramodi is higher than the string NarendraModi	The string narendramodi is higher than the s
✓	Krishna Godavari	The string Krishna is higher than the string Godavari	The string Krishna is higher than the string
✓	REC REC	The given two strings are equal	The given two strings are equal

Passed all tests! ✓