Test Summary

- No. of Sections: 2
- No. of Questions: 3
- Total Duration: 45 min

Section 1 - Coding Proficiency

Section Summary

- No. of Questions: 2
- Duration: 30 min

Additional Instructions:

None

Q1. Pattern

Get input as N, square the N and generate the number from 1 to N2.

n=4

1*2*3*4 9*10*11*12 13*14*15*16 5*6*7*8

Input Format

Input contains n

Output Format

Print the pattern

Constraints

1<=n<=25

Sample Input

Sample Output

1*2*3*4 9*10*11*12 13*14*15*16 5*6*7*9

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q2. Count the occurrence of substring

Find the occurrence of a sub string in a parent string

Input Format

Input contains the string and the sub string

Output Format

print the count

Constraints

1<=substring_length <= string_length<=1000

Sample Input

Sample Output

hgjghjhab ab

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Section 2 - Essay Writing

Section Summary

• No. of Questions: 1

• Duration: 15 min

Additional Instructions:

None

Q1. Essay Writing

"Parents forcing kids to spend their leisure time usefully" our view on dis topic

Directions

Write an essay for the given question

Keywords



Q1

Test Case

Input	Output
5	1*2*3*4*5 11*12*13*14*15 21*22*23*24*25 16*17*18*10*20
Weightage - 5	
Input	Output
7	1*2*3*4*5*6*7 15*16*17*18*19*20*21 29*30*31*32*33*34*35
Weightage - 5	
Input	Output
10	1*2*3*4*5*6*7*8*9*10 21*22*23*24*25*26*27*28*29*30 41*42*43*44*45*46*47*48*49*50
Weightage - 10	
Input	Output
15	1*2*3*4*5*6*7*8*9*10*11*12*13*14*15 31*32*33*34*35*36*37*38*39*40*41*42*43*44*45 61*62*63*64*65*66*67*68*69*70*71*72*73*74*75
Weightage - 10	
Input	Output
13	1*2*3*4*5*6*7*8*9*10*11*12*13 27*28*29*30*31*32*33*34*35*36*37*38*39 53*54*55*56*57*58*59*60*61*62*63*64*65
Weightage - 10	
Input	Output
12	1*2*3*4*5*6*7*8*9*10*11*12 25*26*27*28*29*30*31*32*33*34*35*36 49*50*51*52*53*54*55*56*57*58*59*60 73*74*75*76*77*78*70*80*81*80*80*84
Weightage - 10	
Input	Output
17	1*2*3*4*5*6*7*8*9*10*11*12*13*14*15*16*17 35*36*37*38*39*40*41*42*43*44*45*46*47*48*49*50*F

35*36*37*38*39*40*41*42*43*44*45*46*47*48*49*50*F 69*70*71*72*73*74*75*76*77*78*79*80*81*82*83*84

Weightage - 10

Input Output

```
20
```

1*2*3*4*5*6*7*8*9*10*11*12*13*14*15*16*17*18*19*20 41*42*43*44*45*46*47*48*49*50*51*52*53*54*55*56*57* 81*82*83*84*85*86*87*88*89*90*91*92*93*94*95*96*97*

Weightage - 10

Input Output

```
25
```

1*2*3*4*5*6*7*8*9*10*11*12*13*14*15*16*17*18*19*20*
51*52*53*54*55*56*57*58*59*60*61*62*63*64*65*66*67*
101*102*103*104*105*106*107*108*109*110*111*112*113

Weightage - 10

Input Output

```
23
```

1*2*3*4*5*6*7*8*9*10*11*12*13*14*15*16*17*18*19*20*
47*48*49*50*51*52*53*54*55*56*57*58*59*60*61*62*63*
93*94*95*96*97*98*99*100*101*102*103*104*105*106*10

Weightage - 10

Input Output

```
27
```

1*2*3*4*5*6*7*8*9*10*11*12*13*14*15*16*17*18*19*20*
55*56*57*58*59*60*61*62*63*64*65*66*67*68*69*70*71*
109*110*111*112*113*114*115*116*117*118*119*120*121

Weightage - 10

Sample Input Sample Output

```
4
```

1*2*3*4 9*10*11*12 13*14*15*16

Solution

```
int N, row, col, num;
       scanf("%d",&N);
       for(row = 0; row < N ; row+=2, printf("\n"))</pre>
           for(col = 0, num = row * N + 1; col < N-1; col++)
               printf("%2d*", num++);
               printf("%2d", num);
      }
   for(row = N % 2 == 0 ? N -1: N-2; row > 0; row-=2, printf("\n"))
           for(col = 0, num = row * N + 1; col < N-1; col++)
               printf("%2d*", num++);
               printf("%2d", num);
      }
  }
Test Case
                                                        Output
Input
  aAbcDefabcAdf
                                                           1
  abc
Weightage - 5
Input
                                                        Output
  GPViTzNqRKXYzpqvwguAjGPfWLDkpqvwguMpjNWbGDhvyRtCrpqv 4
  pqvwgu
Weightage - 5
                                                        Output
Input
  CRDLwDTMWiRMFKFEiqbqbXYhtDTMWiRMnXcNKmwPPHFyDDBYmLbx 3
  DTMWiRM
Input
                                                        Output
  hGYhdeYkGVcwGTnbVQVcwGcRFNAEummujgwdcqmtrexvVnwkwaVc 9
  VcwG
Weightage - 10
Input
                                                        Output
```

LBqnQYgdwxNdEaSbFVixpXjyWSjBJDfWMAuQLJVbiEivnFTfAdfT 2 RByAiyHahDiFa

#include<stdio.h>

int main()

Q2

Weightage - 10		
Input	utput	
eYwVRtqHJPTwWPAtjBiwnBubELzpbYgaKdDAmbBEWkBjHcQDQqbNdKzTxqiUuEHEAnevHwPC	0	
Weightage - 10		
Input	utput	
qLfyBPYQLwBQmamTvTiKWbeBmiCcWRLHXLPfgiJCRDzZnNgEEkpwqLfyBPYQLwBQmamTvTiKWbeBmiCcWRLHXLPfgiJCRDzZnNgEEkpw		
Weightage - 10		
Input	utput	
BeWRUPDmYwCjAwgjKbVgU tNuUzR meSCnrV YAnQVQEr PLBebPDmYwCjAwgjKbVgU	3	
Weightage - 10		
Input	utput	
=ZAHijH+yfWup;UU?BGSES!R#%Y,V_/ExZYugE/V)M-uS@y#xzP/Rg[kqpg	4	
Weightage - 10		
Input	utput	
<pre>Sx;@.heyyBvA;-G\$Ga\$@W+Jwr[?U?uRuXvJ+ErhPiEnv_h;c[GRW E)ccw:&Q[BeeGUi%g(TFareAm;vBcqLehtB]N]u\$/Bh%*Tc%*AP&</pre>		
Weightage - 10		
Input	utput	
<pre>Z&+_+#yQz#W-iwk.{LA\$Ve;Wz.c{Z@%+x,aYv,GV):r.jz]rYnxV FuCUXvBh(.FG]LzhmcgKMbU</pre>	4	
Weightage - 10		
Sample Input Sa	ample Output	
hgjghjhab ab	1	
Solution		

```
#include <stdio.h>
#include <string.h>
char str[1000], sub[1000];
int count = 0, count1 = 0;
int main()
{
   int i, j, l, l1, l2;
   //printf("\nEnter a string : ");
   scanf("%[^\n]s", str);
   11 = strlen(str);
   //printf("\nEnter a substring : ");
    scanf(" %[^\n]s", sub);
   12 = strlen(sub);
    for (i = 0; i <=11;)
       j = 0;
       count = 0;
   while (str[i]!= '\0'&& (str[i] == sub[j]))
       count++;
       i++;
       j++;
       }
       if (count == 12)
       {
           count1++;
           count = 0;
       if(str[i]=='\0')break;
       }
       else
           i++;
   printf("%d", count1);
}
```

Section 2 - Essay Writing

Q1 Sample Essay

No Essay

Keywords

kids, parents, time, usefully, leisure,