```
Section: BU
                                                                 Rollno: 15003.
      Name: Abhilhek Panchal
     Name: Name: Consider the program given below.
      #include < stdio.h>
      g sinclude < string . h>
                                           1.2
       int cs(char a[20], char b[20]) {
        int c[256];
        int i,j, m,n, r = 0;
       for(i=0;i<256;i++)
                                           i=12 j=1 j=0 j=-1
        c[i]=0;
                                           1.2 JET (FED) JEO
       m = strlen(a); m = 3
   11
       n = strlen(b); A=3
   12
   13
      if (n != m) return -1:
   14
  15
      for (i=0; i<n; i++)
  16
                          ((B) ++ (['B']=1
                                                  ([·+] = 0
       c[b[i]]++;
  17
                                     1.=(A')2
                                                  C[. B] = 0
  18
                                     1=('37)
      for (i=0; i<n; i++)
  19
                                                 C['1]: 0
      c[a[i]]--;
  20
 21
     for (i=0; i<256; i++)
 22
     if (c[i]!=0) return -2;
 23
                                      my 1:-1
                                                           i=1 i=0 i=-1
 24
    for (i=n-1, j=n-1; i>=0; ) {
 25
                                                           Y=1
        while (i>=0 && a[i] != b[j]) {
           i--; <
27
   1 2, 1 2 r++;
28
                             - if not same
   1= 0 }
                                 1=2 1=1 6
   r 1 if (i >= 0) {
                                                      -ASOFOIF
                                                                 FOIDSAF
                                 j=2 j-1 0
            i--;
                                                     (A) AFGF
        }
                                                       12345
                         1=51= 4 1=3 1=2 1=
    return r;
                         1=5j= 4 8=1 j=3
                                              F = 5 1=4 1=3
37 }
                                              1 = 5 jay ral
39 int main() {
   char s[20], t[20];
                                                             i=1 i=0
   scanf("%s",s);
    scanf("%s",t);
                                                             Y=2 =2
    printf("Output = %d\n", cs(s,t));
                                                             7: -1
    return 0;
45 }
                                                              7:3
```

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| ABC BAC Output = X 1 DEF DEF Output = O DWEDF EFDEW Output = -2 RTIURF TUIRT Output = -1 ASDEGE EGDSAF Output = 3 OWEDEDR ODEREWE Output = 2 | S | t | Section: BU Rollno: 1 |
|---|------------|------------|-----------------------|
| DWEDF EFDEW Output = -2 RTIURF TUIRT Output = -1 ASDFGF FGDSAF Output = 3 | ABC | BAC | Output = X |
| RTIURF TUIRT Output = -1 ASDEGE EGDSAE Output = 3 | DEF | DEF | Output = O |
| ASDEGE EGDSAF Output = 3 | DWEDF | EFDEW | Output = -2 |
| 2/ | RTIURF | TUIRT | Output = -1 |
| OWEDEDE ODEREWE Output = 2 | ASDEGE | FGDSAF | Output = 3 > (5) |
| GOLDEDIC GENERAL 27 | QWEDFDR | QDFREWE | Output = -2 |
| ASEDSDKJHY YHUKUFDSAS Output = 4 | ASRDSDKJRY | YHUKUFDSAF | 5) Output = 4 \square |

Question 2. (3 points) Consider the program given below

```
#include < stdio.h>
  2
    int main()
     int n,s,i,j,r=0;
  5
                                                  + (3+3+4) | 411 22
     printf("Input the number:\n");
     scanf ("%d", &n);
 7
 8
     for (i=1; i<=n; i++){
 9
       j=i;
10
       s=0;
11
       while (j != 0) {
12
            s = s + j\%10;
13
14
15
16
17
    printf("Output = %d\n",r);
18
    return 0;
19
20
```

Fill the table given below with the output of the program for the given values of n.

| n | Output of F | Program |
|----|-------------|---------|
| 19 | Output = | 100/ |
| 15 | Output = | 66 |
| 22 | Output = | 109 |

