

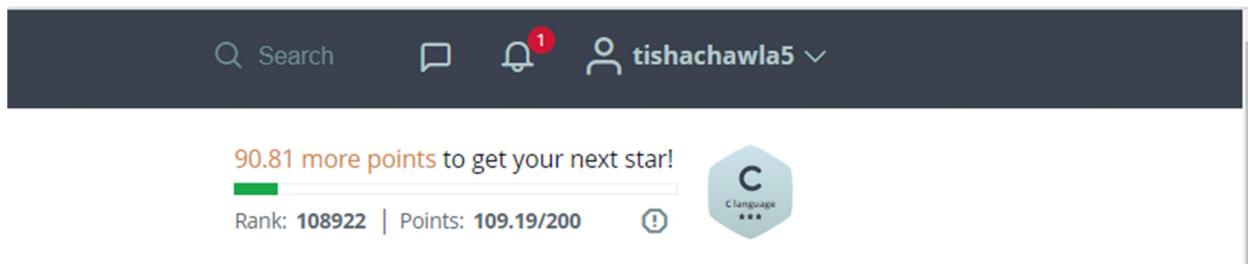
Starting in Git and Github (Session 2)

SUBMITTED BY:

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REGISTRATION NO.20BCE0284

DOMAIN:TECHNICAL



Q1)

```
1 //1
2 #include <stdio.h>
3 #include <string.h>
4 #include <math.h>
5 #include <stdlib.h>
6
7 int main() {
8
9     int n,d,sum=0;
10    scanf("%d", &n);
11    //Complete the code to calculate the sum of the five digits on n.
12    while(n!=0)
13    {
14        d=n%10;
15        n=n/10;
16        sum=sum+d;
17    }
18
19    printf("%d",sum);
20    return 0;
21 }
```

Q.2)

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6
7
8 int main()
9 {
10     int a, b,i;
11
12     scanf("%d\n%d", &a, &b);
13     for(i=a;i<=b;i++)
14     {
15
16         if(i==1)
17             printf("one\n");
18
19         else if (i==2)
20             printf("two\n");
21
22         else if(i==3)
23             printf("three\n");
24
25         else if(i==4)
26             printf("four\n");
27
28         else if(i==5)
29             printf("five\n");
30
31         else if (i==6)
32             printf("six\n");
33
34         else if(i==7)
35             printf("seven\n");
36
37         else if(i==8)
38             printf("eight\n");
39
40         else if(i==9)
41             printf("nine\n");
42
43         else
44         {
45             if(i%2==0)
46                 printf("even\n");
47             else
48                 printf("odd\n");
49
50         }
51     }
52
53     return 0;
54
55
56 }
```

Q.3)

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5 //Complete the following function.
6
7
8 void calculate_the_maximum(int n, int k) {
9     int i,j;
10    int a[150],b[150],c[150];
11    int c1=0,c2=0,c3=0;
12    for (i=1;i<=n;i++)
13    {
14        for (j=1;j<=n;j++)
15        {
16            if(i!=j)
17            {
18                a[c1++]=i&j;
19                b[c2++]=i|j;
20                c[c3++]=i^j;
21            }
22        }
23    }
24
25 }
26
27 int max1=a[0];
28 int max2=b[0];
29 int max3=c[0];
30 for(i=0;i<=c1;i++)
31 {
32     if (max1<=a[i] && a[i]<k)
33     {
34         max1=a[i];
35     }
36     if (max2<=b[i] && b[i]<k)
37     {
38         max2=a[i];
39     }
40     if (max3<=c[i] && c[i]<k)
41     {
42         max3=a[i];
43     }
44 }
45 printf("%d\n%d\n%d",max1,max2,max3);
46 }
47
48 int main() {
49     int n, k;
50
51     scanf("%d %d", &n, &k);
52     calculate_the_maximum(n, k);
53
54     return 0;
55 }
```

Line: 40 Col: 23

Upload Code as File Test against custom input

Run Code

Submit Code

Congratulations!

Q.4)

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main()
7 v{
8
9     int n,i,j;
10
11    scanf("%d", &n);
12    int m=n;
13
14    int arr[100][100],c=0;
15    while(c<n)
16    {
17        for(i=0;i<2*n-1;i++)
18    v{
19
20            for (j=0;j<2*n-1;j++)
21    v{
22                if(arr[i][j]==0){
23
24                    if (((i==0+c)&& j>=i) || ((j==0+c)&& i>=j) ||((i==(2*n)-2-c)&& i>=j) || ((j==(2*n)-2-c)&&
25                        j>=i))
26
27                    arr[i][j]=m;
28
29                }
30
31
32    }}
```

Q.5)

Change Theme Language: C

The screenshot shows a code editor interface with a light gray header bar. On the left, there are three small icons: a circular arrow, a double-headed vertical arrow, and a gear. The main area contains a C program with syntax highlighting. The code includes #include directives for stdio.h, string.h, math.h, and stdlib.h. It defines a main function that reads an integer n from input, then reads n integers into an array arr. It then iterates through the array, summing the values, and finally prints the total sum.

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7
8     int sum=0,n=0,i;
9     scanf("%d",&n);
10    int arr[n];
11    for(i=0;i<n;i++)
12    {
13        scanf("%d ",&arr[i]);
14    }
15    for(i=0;i<n;i++)
16    {
17        sum=sum+arr[i];
18    }
19
20    printf("%d",sum);
21
22    return 0;
23}
24
```

Q.6)

Change Theme Language: C



```
1 //reversing elements in an array
2 #include <stdio.h>
3 #include <stdlib.h>
4
5 int main()
6 {
7     int n,i,j;
8     scanf("%d",&n);
9     int arr[n],b[n];
10    for(i=0;i<n;i++)
11    {
12        scanf("%d",&arr[i]);
13    }
14    for (j=0;j<n;j++)
15    {
16        b[n-j-1]=arr[j];
17    }
18    for(i=0;i<n;i++)
19    {
20        printf("%d ",b[i]);
21    }
22 }
```

Q.7)

```
4 #include <stdbool.h>
5 #include <stddef.h>
6 #include <stdint.h>
7 #include <stdio.h>
8 #include <stdlib.h>
9 #include <string.h>
10
11 int main()
12 {
13     int n;
14     scanf("%d",&n);
15     if(n==1)
16         printf("one");
17     else if(n==2)
18         printf("two");
19     else if(n==3)
20         printf("three");
21     else if(n==4)
22         printf("four");
23     else if(n==5)
24         printf("five");
25     else if(n==6)
26         printf("six");
27     else if(n==7)
28         printf("seven");
29     else if(n==8)
30         printf("eight");
31     else {
32         printf("Greater than 9");
33     }
```

Q.8)

```
1 #include <stdio.h>
2 int main()
3 {    int a[3],b[3];
4     int i,j,c1=0,c2=0;
5     for(i=0;i<3;i++)
6     {
7         scanf("%d",&a[i]);
8     }
9
10    for(j=0;j<3;j++)
11    {
12        scanf("%d",&b[j]);
13    }
14
15    for(i=0;i<3;i++)
16    {
17        if (a[i]>b[i])
18        {
19            c1++;
20        }
21
22        else if(a[i]<b[i])
23        {
24            c2++;
25
26        }
27    }
28
29    printf("%d %d",c1,c2);
30 }
31
```

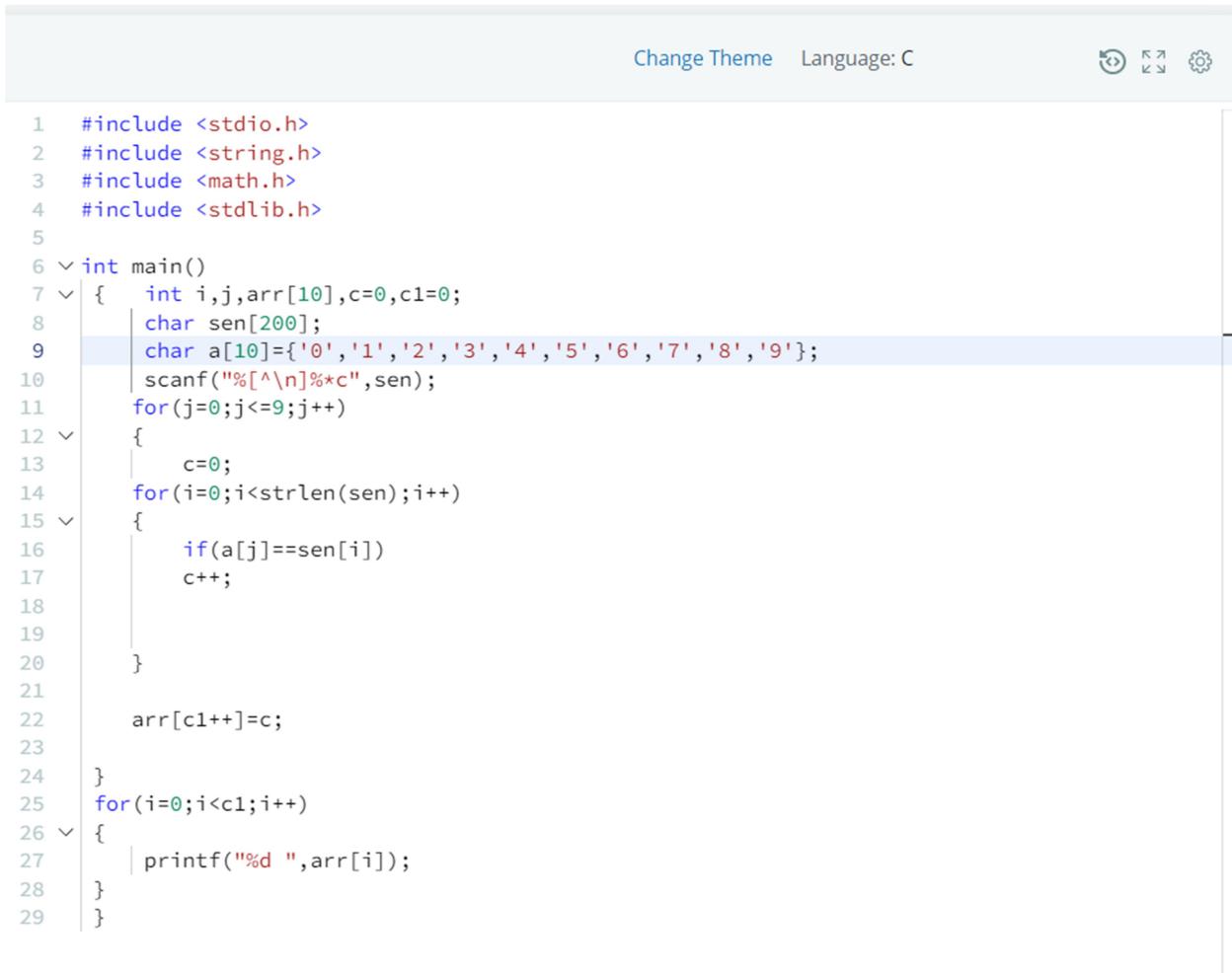
Q.9)

Change Theme Language: C



```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main()
7 v{ int i;
8   char sen[200];
9   scanf("%[^\\n]*c", sen);
10  for(i=0;i< strlen(sen);i++)
11 v  {
12    if(isalpha(sen[i]))
13      printf("%c",sen[i]);
14    else {
15      printf("\n");
16    }
17  }
18 }
19 }
```

Q.10)



```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 ∵ int main()
7 ∵ {    int i,j,arr[10],c=0,c1=0;
8 ∵     char sen[200];
9 ∵     char a[10]={‘0’,‘1’,‘2’,‘3’,‘4’,‘5’,‘6’,‘7’,‘8’,‘9’};
10    scanf("%[^\\n]*c",sen);
11    for(j=0;j<=9;j++)
12    {
13        c=0;
14        for(i=0;i<strlen(sen);i++)
15        {
16            if(a[j]==sen[i])
17                c++;
18
19        }
20    }
21
22    arr[c1++]=c;
23
24    }
25    for(i=0;i<c1;i++)
26    {
27        printf("%d ",arr[i]);
28    }
29 }
```