

Questions
EQ1.

Write a program to reverse a word using loop(Not to use inbuilt functions).

Sample Input:
String: TEMPLE
Sample Output:
Reverse String: ELPMET

1. SIGN UP
2. AT-LEAST
3. 1245
4. !@#\$%
5. 145*999=144855

- CEQ1
- CEQ10
- CEQ11
- CEQ12
- CEQ13
- CEQ14
- CEQ15
- CEQ16
- CEQ17
- CEQ18

C Run Save Logout

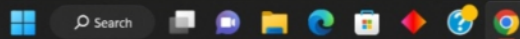
```
1. #include <stdio.h>
2.
3. int main(){
4. char word[100];
5. int length, i;

printf("Enter a word: ");
scanf("%s", word);
length = strlen(word);
for(i = length - 1; i >= 0; i--) {
printf("%c", word[i]);

}

return 0;
```

Your Input Goes Here....!!!



Questions

CEQ10.
Write a program to print the numbers from M to N by skipping K numbers in between?

Sample Input:
M = 50
N = 100
K = 7

Sample Output:
50, 58, 66, 74, ...

Test Cases

- 1. M = 15, N = 05, K = 02
- 2. M = 25, N = 50, K = 04
- 3. M = 15, N = 100, K = -02
- 4. M = 0, N = 0, K = 2
- 5. M = 200, N = 200, K = 50

- CEQ1
- CEQ10
- CEQ11
- CEQ12
- CEQ13
- CEQ14
- CEQ15
- CEQ16
- CEQ17
- CEQ18

C Run Save Logout

```
1. #include<stdio.h>
2.
3. int main() {
4.     int m, n, k, i;
5.
6.     printf("Enter the value of M;");
7.     scanf("%d",&m);
8.     printf("Enter the value of N;");
9.     scanf("%d",&n);
10.    printf("Enter the value of K;");
11.    scanf("%d",&k);
12.
13.    for (i = m; i <= n; i += k + 1) {
14.        printf("%d ", i);
15.    }
16.    return 0;
17. }
```

50
100
7

<pre>ExecutionFolder/192211361.c: In
function 'main':

Questions

CEQ12.

Write a program to print rectangle symbol pattern.

Get the symbol as input from user.

Test Cases

- CEQ1
- CEQ10
- CEQ11
- CEQ12
- CEQ13
- CEQ14
- CEQ15
- CEQ16
- CEQ17
- CEQ18

C Run Save

Logout

```
1. #includes<stdio.h>
2.
3. int main() {
4.     int rows, cols , i, j;
5.
6.     printf("Entre rows and columns of rectangle\n");
7.     scanf("%d %d", &rows, &cols);
8.
9.     /* Row interator for loop */
10.    for(i = 0; i < rows ; i++) {
11.        /* Column iterator for loop */
12.        for( j = 0; i < cols; j++){
13.            printf("*");
14.        }
15.        printf ("\n");
16.    }
17.    return 0;
18. }
```

Your Input Goes Here....!!!

<pre>ExecutionFolder/192211361.c:1:2:
error: invalid preprocessing directive

Questions

CEQ11.

Write a program for matrix addition?

Sample Input:

mat1 = 1 2

5 3

mat2 = 2 3

4 1

Sample Output:

mat Sum = 3 5

9 4

Test Cases

CEQ1

CEQ10

CEQ11

CEQ12

CEQ13

CEQ14

CEQ15

CEQ16

CEQ17

CEQ18

C

Run

Save

Logout

```
1. #include <stdio.h>
2.
3. int main() {
4.     int mat1[2][2]={{1,2},{5,3}};
5.     int rows = 2;
6.     int cols = 2;
7.
8.     int mat_sum[rows][cols];
9.
10.    //one-liner nested loop to add matrices
11.    for (int i=0; i< rows; i++, printf("\n")) for (int j=0; j< cols; j++, printf(" ")) printf("%d", mat1[i][j]+ mat2[i][j]);
12.
13.    return 0;
14. }
```

Your Input Goes Here....!!!

<pre>ExecutionFolder/192211361.c: In function 'main':



Search



ENG

IN



14:01

04-04-2023

Questions

CEQ18.

Write a program to print the Inverted Full Pyramid pattern?

Test Cases

CEQ1

CEQ10

CEQ11

CEQ12

CEQ13

CEQ14

CEQ15

CEQ16

CEQ17

CEQ18

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main()
3. {
4.     int n, i, j;
5.     printf("Enter the number of rows:");
6.     scanf("%d", &n);
7.     for (i = n; i >= 1; i--)
8.     {
9.         for (j = 1; j <= n - i; j++)
10.        {
11.            printf(" ");
12.        }
13.        for (j = 1; j <= 2*i-1; j++)
14.        {
15.            printf("*");
16.        }
17.        printf("\n");
18.    }
```

5

Enter the number of rows:*****



Search



ENG
IN



14:02
04-04-2023

Questions

CEQ17.

Write a program to print all the composite numbers between a and b?

Sample Input:

A = 12

B = 19

Sample Output:

14, 15, 16, 18

Test Cases

1. A = 11, B = 11
2. A = 20, B = 10
3. A = 0, B = 0
4. A = -5, B = 5
5. A = 7, B = -12

- CEQ17
- CEQ18
- CEQ19
- CEQ20
- CEQ21
- CEQ22
- CEQ23
- CEQ24
- CEQ25
- CEQ26
- CEQ27
- CEQ28

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main()
3. {
4.     int i;
5.     for(i=12;i<19;i++)
6.     {
7.         if(i%2==0)
8.         {
9.             printf("%d\n",i);
10.        }
11.    }
12.    return 0;
13. }
```

Your Input Goes Here....!!!

Questions
CEQ16.

Write a program to print the special characters separately and print number of Special characters in the line?

Please Enter your Own String : abc!@ 12 cd 1212

Total Number of Alphabets in this String : 5
Total Number of Digits in this String : 6
Total Number of Special Characters in this String : 5

Test Cases

- CEQ1
- CEQ10
- CEQ11
- CEQ12
- CEQ13
- CEQ14
- CEQ15
- CEQ16
- CEQ17
- CEQ18

C Run Save Logout

```
1. #include <stdio.h>
2. #include <ctype.h>
3.
4. int main() {
5.     char string[100];
6.     int special_count =0;
7.
8.     // Get input string from user
9.     printf("please Entre your Own String; ");
10.    fgets(string, 100, stdin);
11.
12.    //Loop through each character in the string
13.    for (int i = 0 ; string [i] != '\0' i++;) {
14.        // Check if character is a special character
15.        if (!isalnum(string[i]) && string [i] != ' '){
16.            special_count++;
17.        }
18.    }
19.    printf("Number of Special Characters : %d", special_count);
20.    return 0;
21. }
```

5

Questions
CEQ15.

Write a program to print the following pattern

Sample Input:
Enter the number to be printed: 1
Max Number of time printed: 3
1
1 1
1 1 1
1 1
1

Test Cases

- CEQ1
- CEQ10
- CEQ11
- CEQ12
- CEQ13
- CEQ14
- CEQ15
- CEQ16
- CEQ17
- CEQ18

C

Run

Save

Logout

```
1. #include <stdio.h>
2.
3. int main() {
4.     int num, max_times;
5.
6.     // Get input from user
7.
8.     printf("Enter the number to be printed: ");
9.     scanf("%d", &num);
10.    printf("Max Number of times printed: ");
11.    scanf("%d", &max_times);
12.
13.    // Loop to print the pattern
14.    for (int i = 1; i <= 2 * max_times; i++) {
15.        if (i <= max_times) {
```

1
3