

ASSIGNMENT-1

By

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CSE



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Q1) Write a C program to count the number of words in a string.

Ans.

```
#include <stdio.h>

int main() {
    char str[100];
    int count = 0;

    printf("Enter a string: ");
    fgets(str, sizeof(str), stdin);

    for (int i = 0; str[i] != '\0'; i++) {
        if (str[i] == ' ' || str[i] == '\n' || str[i] == '\t') {
            count++;
        }
    }

    printf("Number of words in the string: %d\n", count);

    return 0;
}
```

Output:

Enter a string: 10,20

Number of words in the string: 1

Q)2 Write the program for print all thee digit perfect number.

Ans. #include <stdio.h>

```
int main() {  
    int num, sum;  
  
    printf("Three-Digit Perfect Numbers:\n");  
  
    for (num = 100; num <= 999; num++) {  
        sum = 0;  
  
        for (int i = 1; i <= num / 2; i++) {  
            if (num % i == 0) {  
                sum += i;  
            }  
        }  
  
        if (sum == num) {  
            printf("%d\n", num);  
        }  
    }  
  
    return 0;  
}
```

Output:

Three-Digit Perfect Numbers: 496