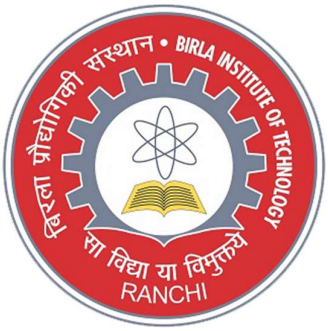
Birla Institute of Technology,Mesra,

Patna Campus



CD-Assignment

Name-Shubham Sourabh

Roll-Btech/15044/18

Sec-CSE 6th

#Assignment-5

13. Write a program to search any word like ‘take’ fromgiven a text fileusing file handling.

Code:-

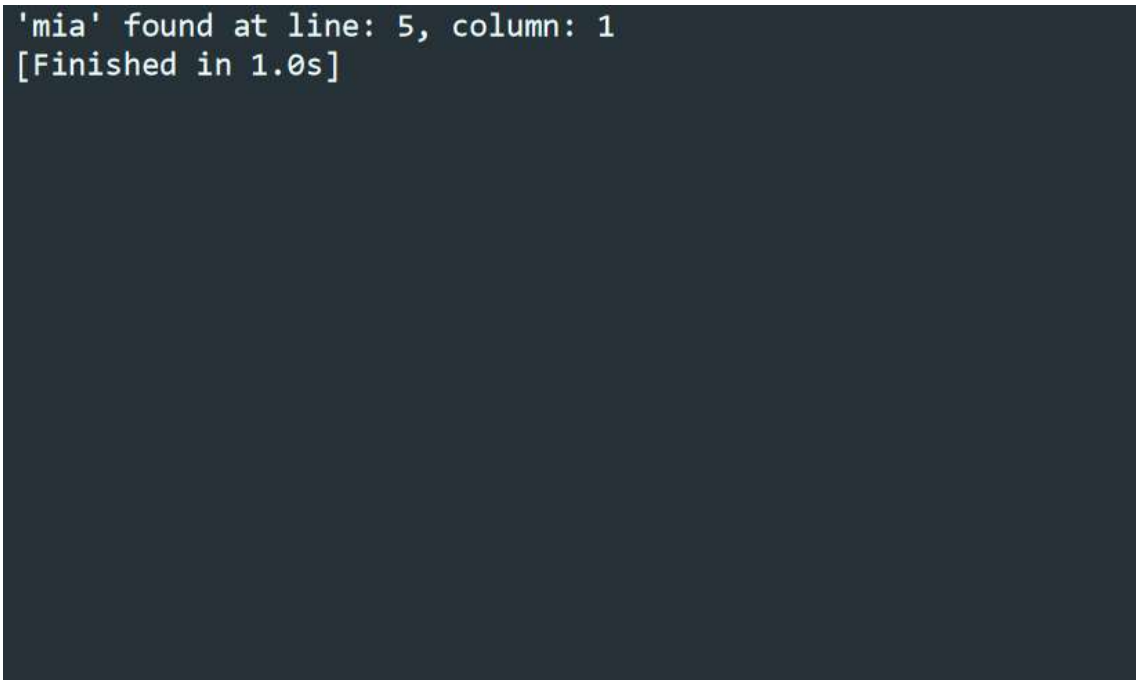
```
#include <stdio.h>

#include <stdlib.h>

#include <string.h>



#define BUFFER_SIZE 1000



/* Function declarations */

int indexOf(FILE *fptr, const char *word, int *line, int *col);



int main()

{

  FILE *fptr;

    char ch;

    char * arrr =
"C:\\Users\\vampirepapi\\Desktop\\nowhere\\Codes\\Cpp\\test.txt";

    fptr = fopen(arrr, "r");



    char word[50] = "mia";
```

```
    int line, col;



    if (fptr == NULL)
    {
        printf("Unable to open file.\n");
        printf("Please check you have read/write previleges.\n");

        exit(EXIT_FAILURE);
    }



    // Find index of word in fptr
    indexOf(fptr, word, &line, &col);

    if (line != -1)
        printf("'%s' found at line: %d, column: %d\n", word, line + 1, col + 1);
    else
        printf("'%s' does not exists.", word);



    // Close file
    fclose(fptr);

    return 0;
}
```

```
/**
 * Finds, first index of a word in given file. First index is represented
 * using line and column.
 */
int indexOf(FILE *fptr, const char *word, int *line, int *col)
{
   char str[BUFFER_SIZE];
   char *pos;

   *line = -1;
   *col  = -1;

   while ((fgets(str, BUFFER_SIZE, fptr)) != NULL)
   {
      *line += 1;

      // Find first occurrence of word in str
      pos = strstr(str, word);

      if (pos != NULL)
      {
         // First index of word in str is
         // Memory address of pos - memory
         // address of str.
```

```
            *col = (pos - str);
            break;
        }
    }


    // If word is not found then set line to -1
    if (*col == -1)
        *line = -1;

    return *col;
}
```

output:-



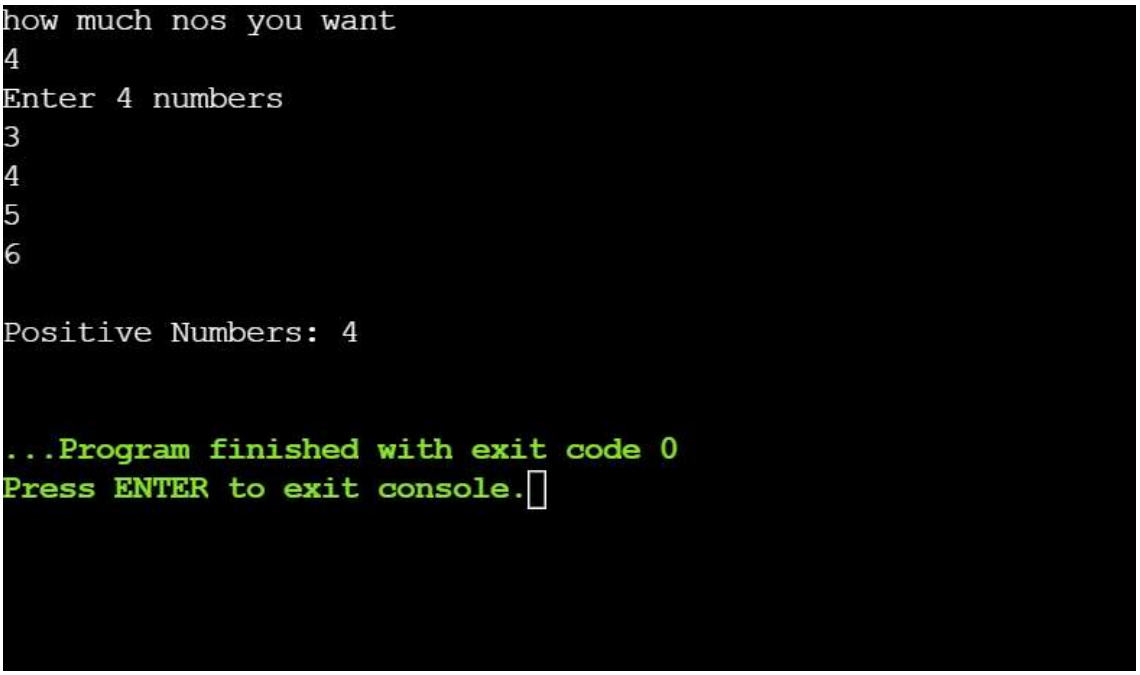
14. Write a program to count positive number inputted by user.

Code:-

```
#include <stdio.h>


int main()
{
   int limit, num, positive = 0;


   printf("how much nos you want\n");
   scanf("%d", &limit);


   printf("Enter %d numbers\n", limit);


   while(limit)
   {
      scanf("%d", &num);


      if(num > 0)
      {
         positive++;
      }


      limit--;
   }
```

```
    printf("\nPositive Numbers: %d\n", positive);
    return 0;
}
```

output:-



15. Write a program in c/lexto add two numbers without “+” operator.

Code:-

```
#include <stdio.h>

int main()
{
```

```
        int a = 5, b = 9;
        if (b > 0) {
                while (b > 0) {
                        a++;
                        b--;
                }
        }
}
        printf("Sum = %d", a);
        return 0;
}
```

output:-