VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JnanaSangama", Belgaum -590014, Karnataka.

C PROGRAMMING LAB RECORD

Submitted by

HARSHIT KUMAR GUPTA (1BM20IS046)

Under the Guidance of
Prof. Rekha G S
Assistant Professor,
Department of CSE,
BMSCE

in partial fulfillment for the award of the degree of
BACHELOR OF ENGINEERING
in
COMPUTER SCIENCE AND ENGINEERING

B.M.S. COLLEGE OF ENGINEERING
(Autonomous Institution under VTU)
BENGALURU-560019

April-2021 to June-2021

B.M.S. COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DECALARATION

I,AAAA , student of 2nd Semester, B.E, Department of Computer Science and Engineering, B. M. S. College of Engineering, Bangalore, hereby declare that, this laboratory work for "C Programming" course has been carried out by us under the guidance of Prof. Rekha G S ,Assistant Professor, Department of CSE, B. M. S. College of Engineering, Bangalore during the academic semester April-2021-June-2021

We also declare that to the best of our knowledge and belief, the development reported here is not from part of any other report by any other students.

HARSHIT KUMAR GUPTA (1BM20IS046)

HARSHIT KUMAR GUPTA 1BM20IS046

QUES 1)WRITE A PROGRAM TO CONVERT DEGREE FAHRENHEIT TO DEGREE CELSIUS.

```
#include <stdio.h>
#include <conio.h>
int main()
{
   float celsius, fahrenheit;
   clrscr();
   printf("Enter temperature in Fahrenheit: ");
   scanf("%f", &fahrenheit);
   celsius = (fahrenheit - 32) * 5 / 9;
   printf("%.2f Fahrenheit = %.2f Celsius", fahrenheit, celsius);
   getch();
   return 0;
}
```


Enter temperature in Fahrenheit: 104
104.00 Fahrenheit = 40.00 Celsius
Enter temperature in Fahrenheit: 98.6
98.60 Fahrenheit = 37.00 Celsius

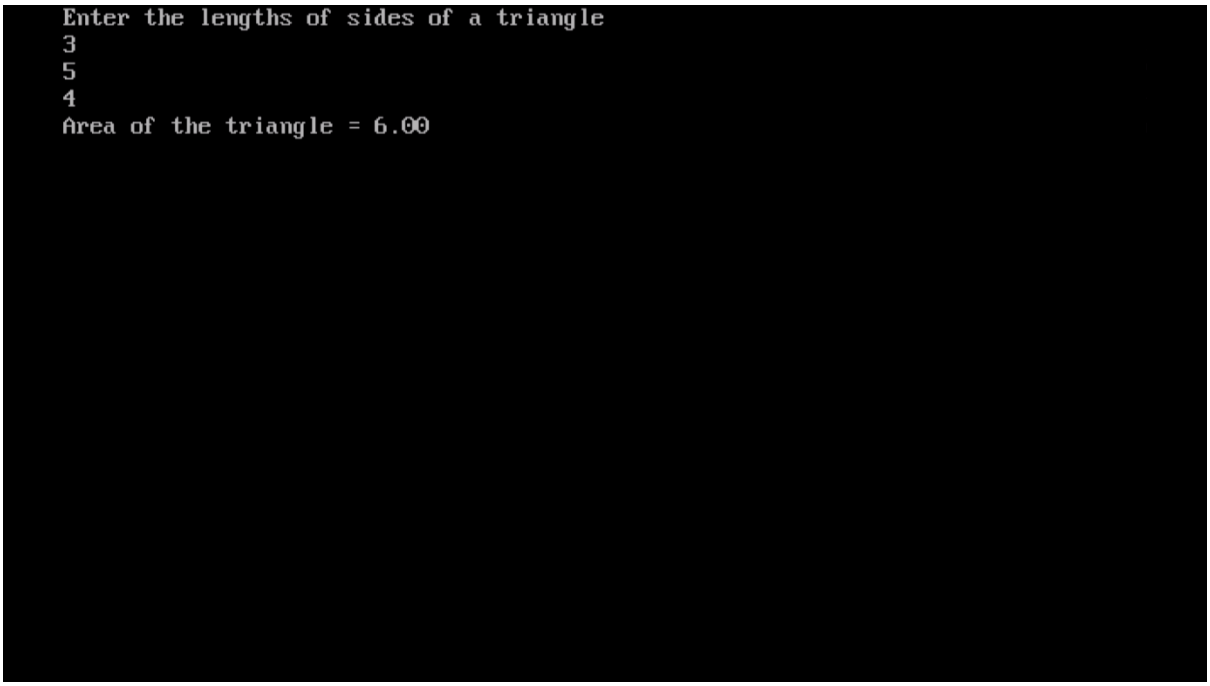

Enter temperature in Fahrenheit: 75
75.00 Fahrenheit = 23.89 Celsius

QUES 2)WRITE A PROGRAM TO FIND AREA OF A TRIANGLE USING FUNCTIONS.

```
#include <stdio.h>
#include <math.h>
#include <conio.h>
double area_of_triangle(double, double, double);
int main()
{
  double a, b, c, area;
  clrscr();
  printf("Enter the lengths of sides of a triangle\n");
  scanf("%lf%lf%lf", &a, &b, &c);
  area = area_of_triangle(a, b, c);
  printf("Area of the triangle = %.2lf\n", area);
  getch();
  return 0;
}

double area_of_triangle(double a, double b, double c)
{
  double s, area;
  s = (a+b+c)/2;
  area = sqrt(s*(s-a)*(s-b)*(s-c));
  return area;
}
```

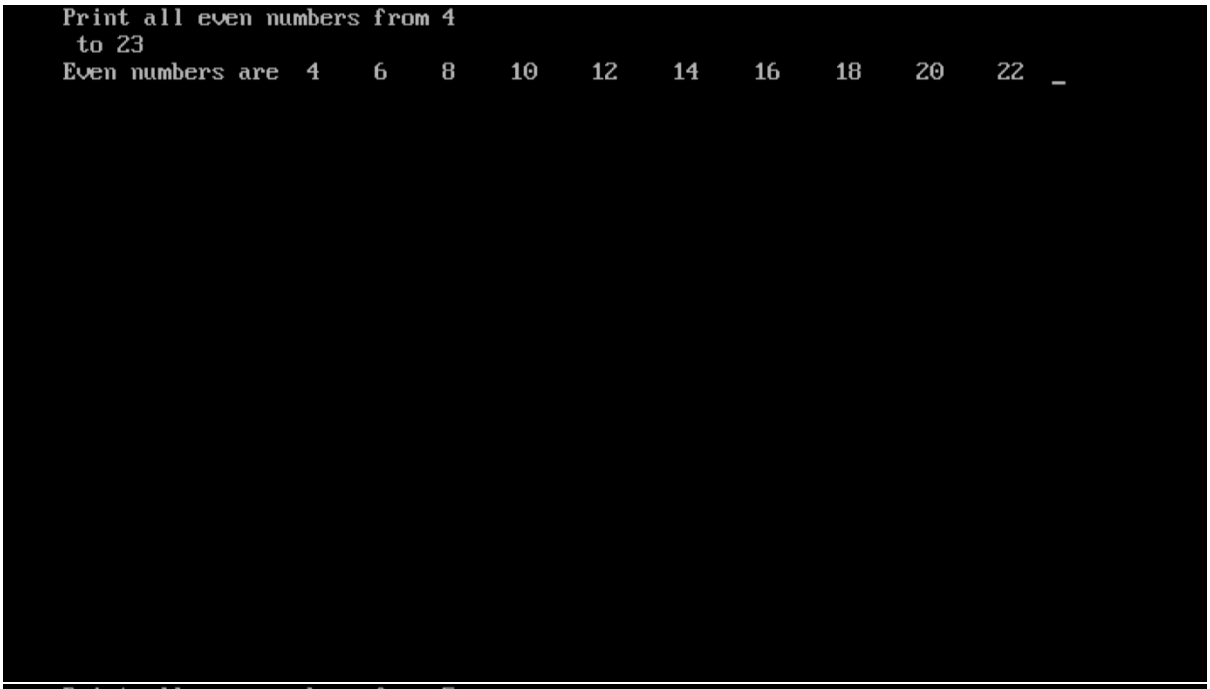
```
Enter the lengths of sides of a triangle
6
9
8
Area of the triangle = 23.53
_
```

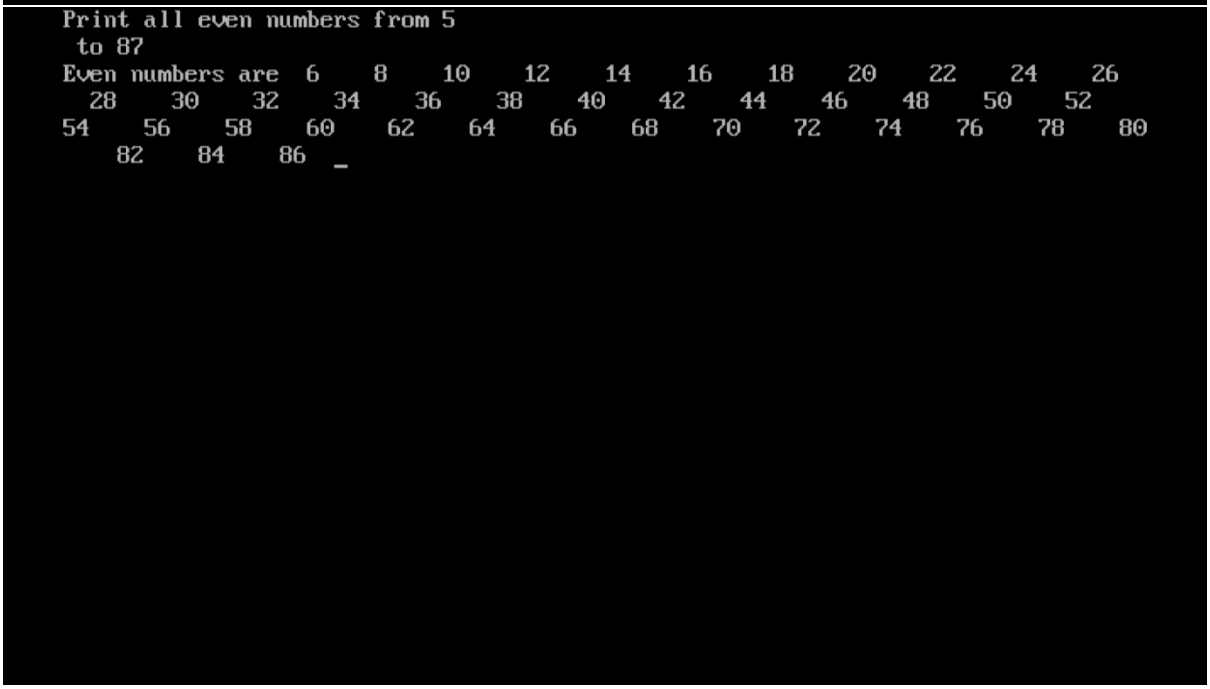
```
Enter the lengths of sides of a triangle
5
7
3
Area of the triangle = 6.50
_
```

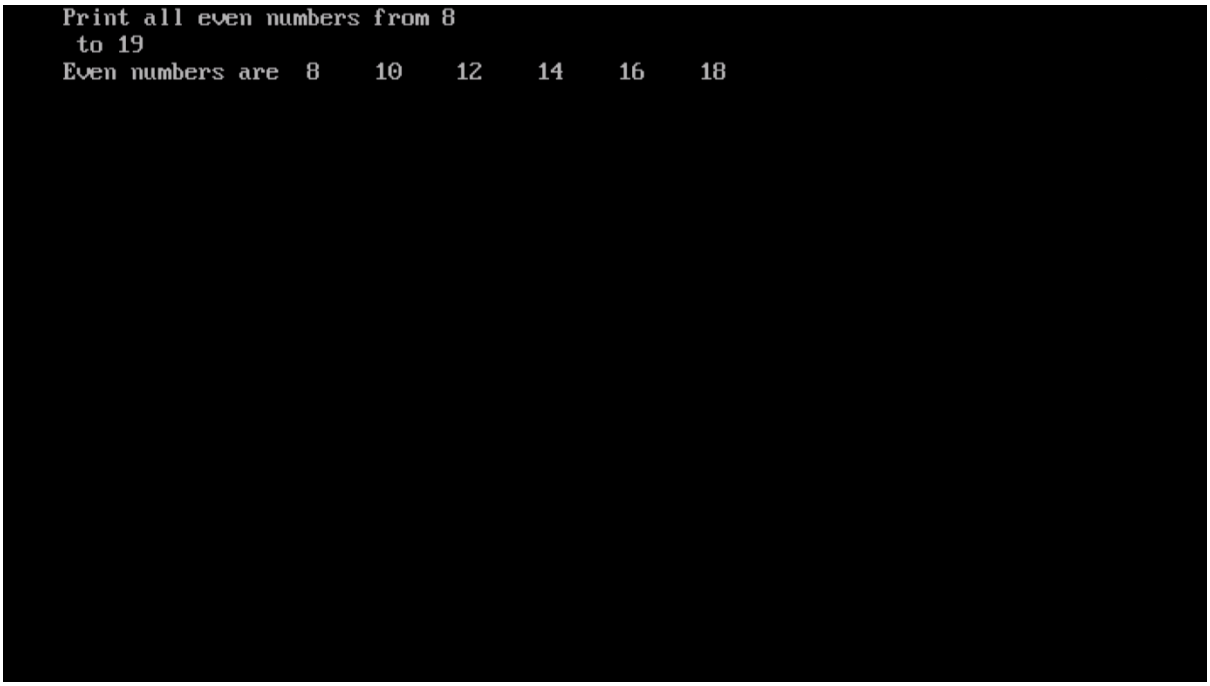

Enter the lengths of sides of a triangle
3
5
4
Area of the triangle = 6.00

QUES 3)WRITE A PROGRAM TO PRINT ALL THE EVEN NUMBERS FROM M TO N.

```
#include <stdio.h>
#include <conio.h>
int main()
{
   int i, n,p;
   clrscr();
   printf("Print all even numbers from ");
   scanf("%d", &n);
   printf(" to ");
   scanf("%d",&p);
   printf("Even numbers are");
   for(i=n; i<=p; i++)
   {
          if(i%2 == 0)
          {
             printf("  %d  ", i);
          }
   }
   getch();
   return 0;
}
```


Print all even numbers from 4
to 23
Even numbers are 4 6 8 10 12 14 16 18 20 22

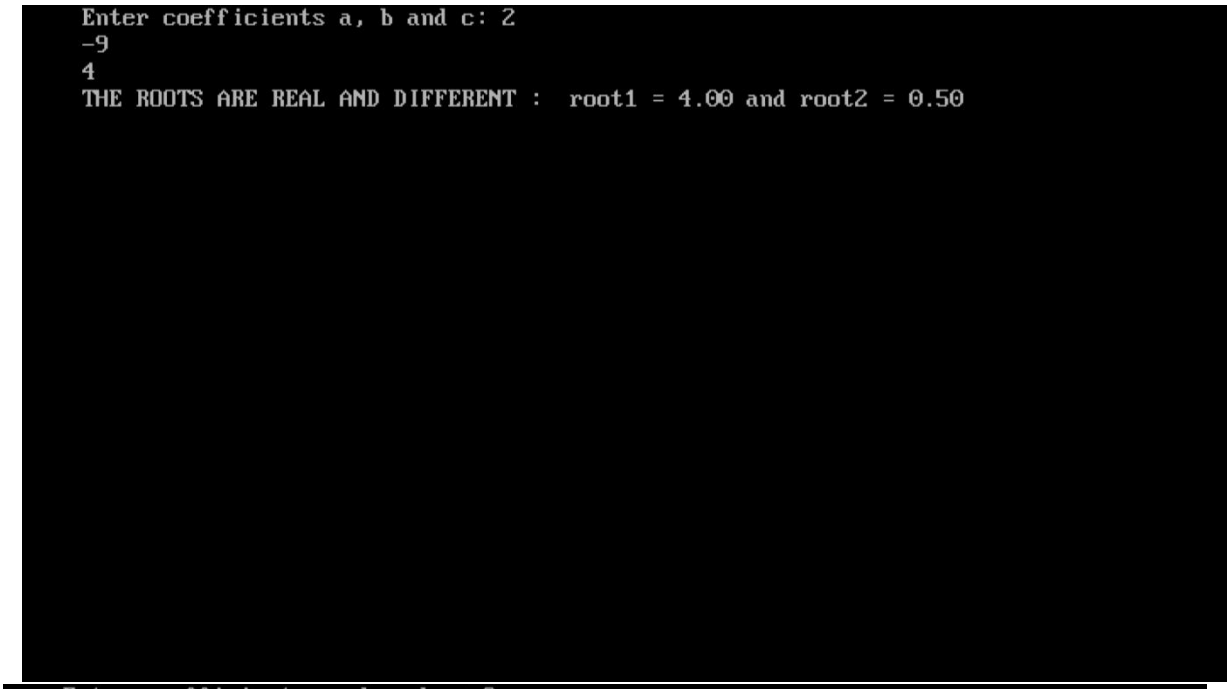

Print all even numbers from 5
to 87
Even numbers are 6 8 10 12 14 16 18 20 22 24 26
28 30 32 34 36 38 40 42 44 46 48 50 52
54 56 58 60 62 64 66 68 70 72 74 76 78 80
82 84 86

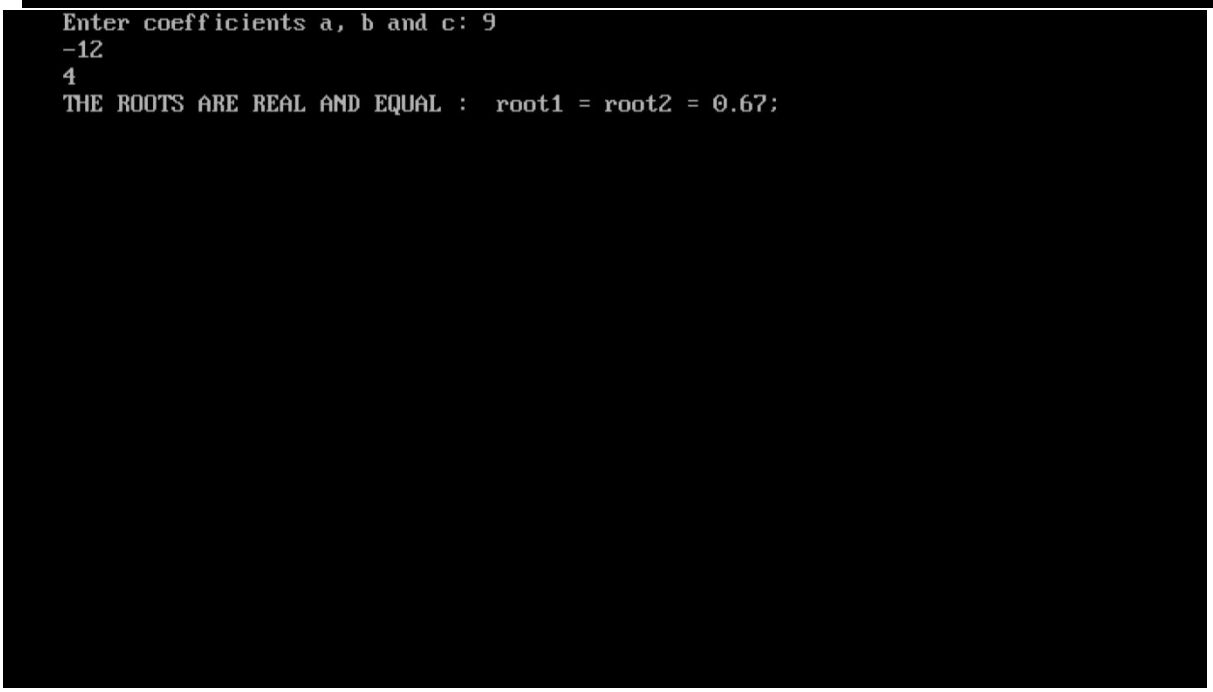

Print all even numbers from 8
to 19
Even numbers are 8 10 12 14 16 18

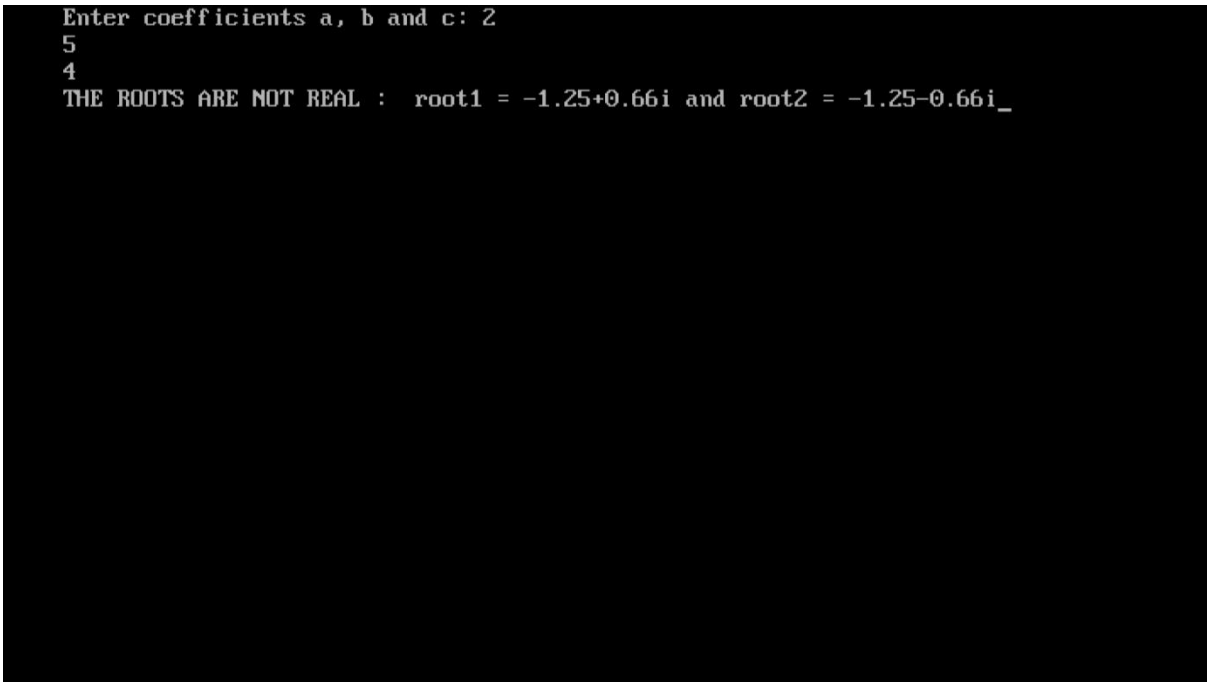
QUES 4) WRITE A PROGRAM TO PRINT THE ROOTS OF A QUADRATIC EQUATION ALONG WITH ITS NATURE.

```
#include <math.h>
#include <stdio.h>
#include <conio.h>
int main()
  {
  double a, b, c, discriminant, root1, root2, realPart, imagPart;
  clrscr();
  printf("Enter coefficients a, b and c: ");
  scanf("%lf %lf %lf", &a, &b, &c);
  discriminant = b * b - 4 * a * c;
  if (discriminant > 0) {
        printf("THE ROOTS ARE REAL AND DIFFERENT :  ");
        root1 = (-b + sqrt(discriminant)) / (2 * a);
        root2 = (-b - sqrt(discriminant)) / (2 * a);
        printf("root1 = %.2lf and root2 = %.2lf", root1, root2);
  }
  else if (discriminant == 0) {
        printf("THE ROOTS ARE REAL AND EQUAL :  ");
        root1 = root2 = -b / (2 * a);
        printf("root1 = root2 = %.2lf;", root1);
  }
  else
  {
        printf("THE ROOTS ARE NOT REAL :  ");
        realPart = -b / (2 * a);
        imagPart = sqrt(-discriminant) / (2 * a);
```

```
            printf("root1 = %.2lf+%.2lfi and root2 = %.2f-%.2fi", realPart, imagPart, realPart, imagPart);
    }
    getch();
    return 0;
}
```


Enter coefficients a, b and c: 2
-9
4
THE ROOTS ARE REAL AND DIFFERENT : root1 = 4.00 and root2 = 0.50

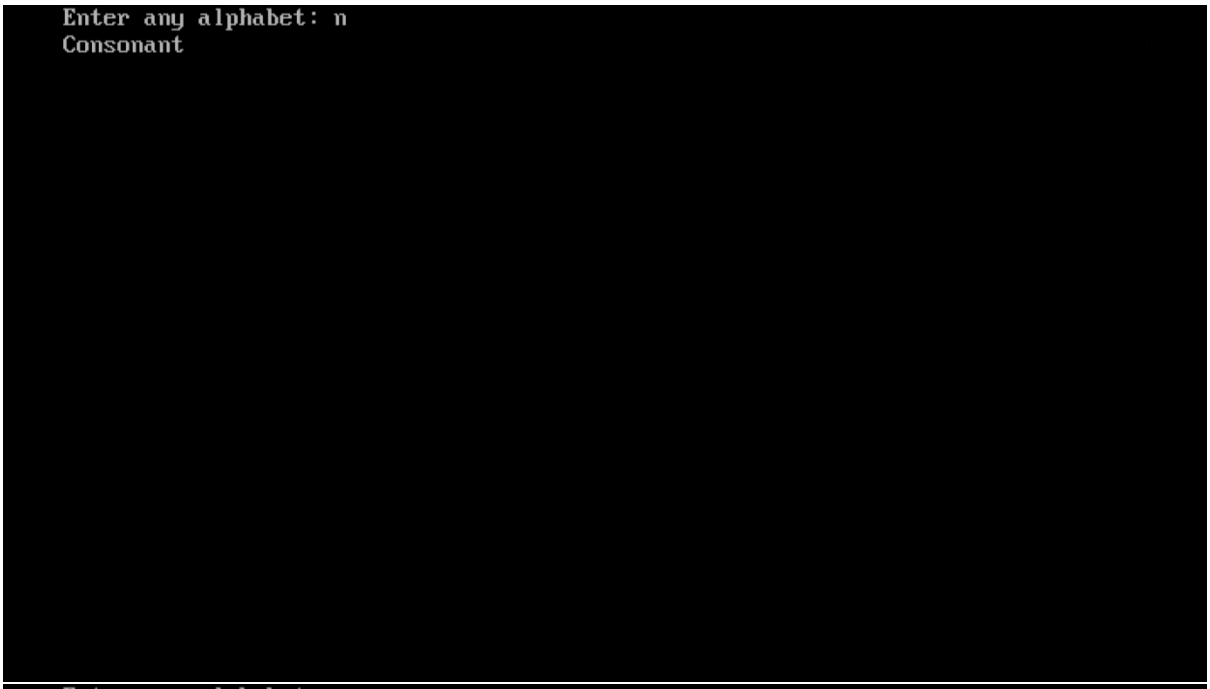

Enter coefficients a, b and c: 9
-12
4
THE ROOTS ARE REAL AND EQUAL : root1 = root2 = 0.67;


Enter coefficients a, b and c: 2
5
4
THE ROOTS ARE NOT REAL : root1 = -1.25+0.66i and root2 = -1.25-0.66i_

QUES 5)WRITE A PROGRAM TO FIND WHETHER THE ENTERED CHARACTER IS A VOWEL OR A CONSONANT USING SWITH CASE STATEMENT.

```
#include <stdio.h>
#include <conio.h>
int main()
{
   char ch;
   clrscr();
   printf("Enter any alphabet: ");
   scanf("%c", &ch);
   switch(ch)
   {
          case 'a':

          case 'e':

          case 'i':

          case 'o':

          case 'u':

          case 'A':
```

```
        case 'E':


        case 'I':


        case 'O':


        case 'U':
           printf("Vowel");
           break;
        default:
           printf("Consonant");
    }
    getch();
    return 0;
}
```


Enter any alphabet: n
Consonant


Enter any alphabet: a
Vowel_

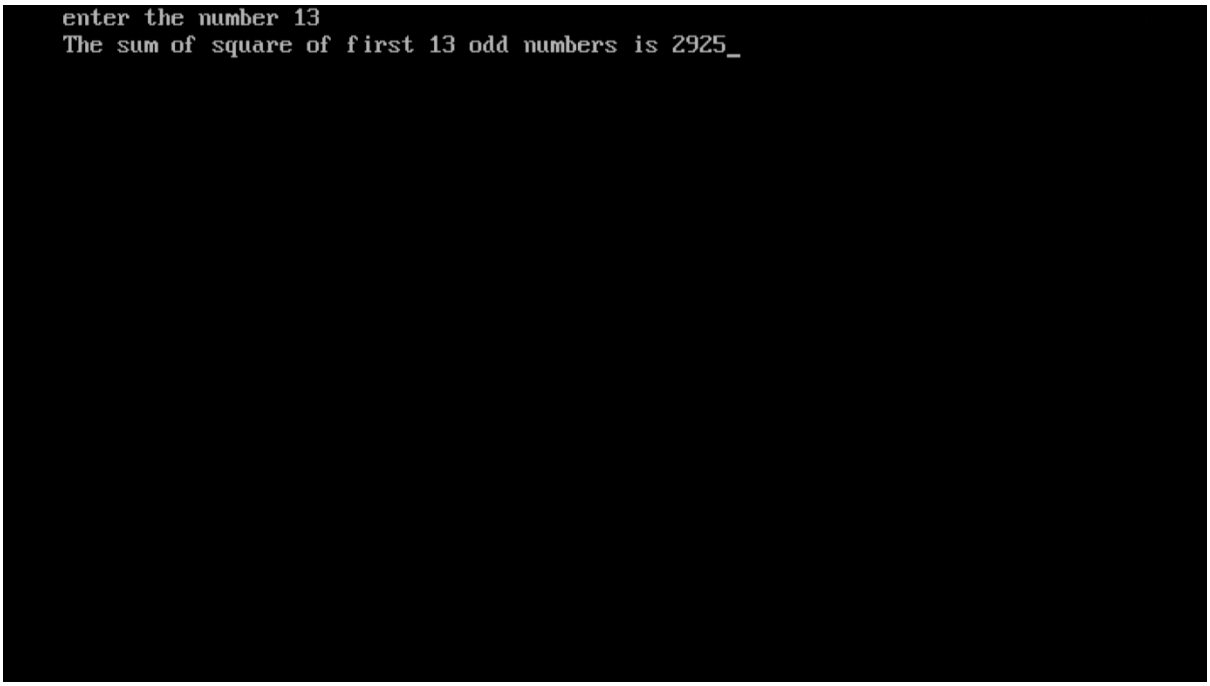

Enter any alphabet: u
Vowel_

QUES 6)WRITE A PROGRAM TO CALCULATE THE SUM OF SQUARES OF FIRST N ODD NUMBERS.

```
#include <stdio.h>
#include <conio.h>
int main()
{
  int n = 0,sum=0;
  clrscr();
  printf("enter the number ");
  scanf("%d",&n);
  for (int i = 1; i <= n; i++)
  sum += (2*i - 1) * (2*i - 1);
  printf("The sum of square of first %d odd numbers is %d",n, sum);
  getch();
  return 0;
}
```

```
enter the number 9
The sum of square of first 9 odd numbers is 969
```

```
enter the number 6
The sum of square of first 6 odd numbers is 286
```


enter the number 13
The sum of square of first 13 odd numbers is 2925_

QUES 7)WRITE A PROGRAM TO PERFORM ADDITION OF TWO MATRICES.

```
#include <stdio.h>
#include <conio.h>
int main() {
 int r, c, a[100][100], b[100][100], sum[100][100], i, j;
 clrscr();
 printf("Enter the number of rows (between 1 and 100): ");
 scanf("%d", &r);
 printf("Enter the number of columns (between 1 and 100): ");
 scanf("%d", &c);
 printf("\nEnter elements of 1st matrix:\n");
 for (i = 0; i < r; ++i)
 for (j = 0; j < c; ++j)
 {
    printf("Enter element a%d%d: ", i + 1, j + 1);
    scanf("%d", &a[i][j]);
 }
 printf("Enter elements of 2nd matrix:\n");
 for (i = 0; i < r; ++i)
 for (j = 0; j < c; ++j)
 {
    printf("Enter element b%d%d: ", i + 1, j + 1);
    scanf("%d", &b[i][j]);
 }
```

```
 for (i = 0; i < r; ++i)
 for (j = 0; j < c; ++j)
 {
    sum[i][j] = a[i][j] + b[i][j];
 }
 printf("\nSum of two matrices: \n");
 for (i = 0; i < r; ++i)
 for (j = 0; j < c; ++j)
 {
    printf("%d   ", sum[i][j]);
    if (j == c - 1)
    {
            printf("\n\n");
    }
 }
 getch();
 return 0;
}
```

```
Enter the number of rows (between 1 and 100): 2
Enter the number of columns (between 1 and 100): 2

Enter elements of 1st matrix:
Enter element a11: 4
Enter element a12: 6
Enter element a21: 7
Enter element a22: 5
Enter elements of 2nd matrix:
Enter element b11: 7
Enter element b12: 8
Enter element b21: 6
Enter element b22: 5

Sum of two matrices:
11   14

13   10

_
```

```
Enter the number of rows (between 1 and 100): 2
Enter the number of columns (between 1 and 100): 3

Enter elements of 1st matrix:
Enter element a11: 4
Enter element a12: 6
Enter element a13: 7
Enter element a21: 4
Enter element a22: 6
Enter element a23: 8
Enter elements of 2nd matrix:
Enter element b11: 3
Enter element b12: 5
Enter element b13: 7
Enter element b21: 98
Enter element b22: 5
Enter element b23: 6

Sum of two matrices:
7   11   14

102   11   14

_
```

```
Enter the number of rows (between 1 and 100): 3
Enter the number of columns (between 1 and 100): 3

Enter elements of 1st matrix:
Enter element a11: 5
Enter element a12: 7
Enter element a13: 8
Enter element a21: 6
Enter element a22: 4
Enter element a23: 3
Enter element a31: 5
Enter element a32: 6
Enter element a33: 7
Enter elements of 2nd matrix:
Enter element b11: 8
Enter element b12: 8
Enter element b13: 8
Enter element b21: 6
Enter element b22: 4
Enter element b23: 3
Enter element b31: 7
Enter element b32: 4
Enter element b33: 45_
```

```
Enter element a21: 6
Enter element a22: 4
Enter element a23: 3
Enter element a31: 5
Enter element a32: 6
Enter element a33: 7
Enter elements of 2nd matrix:
Enter element b11: 8
Enter element b12: 8
Enter element b13: 8
Enter element b21: 6
Enter element b22: 4
Enter element b23: 3
Enter element b31: 7
Enter element b32: 4
Enter element b33: 45

Sum of two matrices:
13   15   16

12   8   6

12   10   52
```

QUES 8)PROGRAM TO COPY ONE STRING TO ANOTHER STRING AND FIND ITS LENGTH WITHOUT USING BUILT IN FUNCTION.

```
#include<stdio.h>
#include<conio.h>
#include<string.h>
int main()
{
   char s1[1000],s2[1000];
   int i;
   clrscr();
   printf("Enter any string: ");
   scanf("%s",&s1);
   for(i=0;s1[i]!='\0';i++)
   {
          s2[i]=s1[i];
   }
   printf("original string s1='%s'\n",s1);
   printf("copied string   s2='%s'",s2);
   for (i = 0; s1[i] != '\0'; ++i);
   printf("\n Length of the original string is %d", i);
   getch();
   return 0;
}
```


Enter any string: harshit
original string s1='harshit'
copied string s2='harshit'
Length of the original string is 7

}

```
Enter any string: hello
original string s1='hello'
copied string   s2='hello'
 Length of the original string is 5_
```

```
Enter any string: difference
original string s1='difference'
copied string   s2='difference'
 Length of the original string is 10
```

QUES 9)PROGRAM TO PERFORM ARITHMETIC OPERATIONS(ADD , MULTIPLY , DIFFERENCE , DIVIDE)ON TWO INTEGERS USING POINTERS.

```
#include<stdio.h>
#include<conio.h>
int main()
{
        int no1,no2;
        int *ptr1,*ptr2;
        int sum,sub,mult;
        float div;
        clrscr();
        printf("Enter number1:\n");
        scanf("%d",&no1);
        printf("Enter number2:\n");
        scanf("%d",&no2);
        ptr1=&no1;
        ptr2=&no2;
        sum=(*ptr1) + (*ptr2);
        sub=(*ptr1) - (*ptr2);
        mult=(*ptr1) * (*ptr2);
        div=(*ptr1) / (*ptr2);
        printf("sum= %d\n",sum);
        printf("subtraction= %d\n",sub);
        printf("Multiplication= %d\n",mult);
        printf("Division= %f\n",div);
        getch();
        return 0;
}
```

```
Enter number1:
27
Enter number2:
3
sum= 30
subtraction= 24
Multiplication= 81
Division= 9.000000
```

```
Enter number1:
9
Enter number2:
3
sum= 12
subtraction= 6
Multiplication= 27
Division= 3.000000
```


Enter number1:
81
Enter number2:
9
sum= 90
subtraction= 72
Multiplication= 729
Division= 9.000000

QUES 10) DEVELOP A C PROGRAM TO CREATE STUDENT STRUCTURE, READ TWO STUDENT DETAILS(STUDENT ROLL NUMBER, NAME, SECTION, DEPARTMENT, FEES, AND RESULTS I.E., TOTAL MARKS OBTAINED)AND PRINT THE STUDENT DETAILS WHO HAS SCORED THE HIGHEST.

```
#include <stdio.h>
#include <conio.h>
typedef struct
{
  char name[30];
  int roll;
  char section[30];
  char department[30];
  int fees;
  int results;
}
Student;
int main()
{
  char buffer;
  int n=2;
  clrscr();
  Student students[2];
  printf("Enter %d Student Details \n \n",n);
  for(int i=0; i<n; i++)
  {
    printf("Student %d:- \n",i+1);
    printf("Name: ");
```

```
  scanf("%s",&students[i].name);
  printf("Roll: ");
  scanf( "%d",&students[i].roll );
  printf("section: ");
  scanf("%s",&students[i].section);
  printf("department: ");
  scanf ("%s",&students[i].department);
  printf("fees: ");
  scanf("%d",&students[i].fees);
  printf("results: ");
  scanf("%d",&students[i].results);
  printf("\n");
 }
 if(students[0].results > students[1].results)
 {
  printf("---------- Student Details who got highest marks----------\n");
  printf("Name: ");
  printf("%s \n",students[0].name);
  printf("Roll \t: ");
  printf("%d \n",students[0].roll);
  printf("section: ");
  printf("%s \n",students[0].section);
  printf("department: ");
  printf("%s \n",students[0].department);
  printf("fees \t: ");
  printf("%d \n",students[0].fees);
  printf("results \t: ");
  printf("%d \n",students[0].results);
  printf("\n");
```

```
  }
  else
  {
    printf("---------- Student Details who got highest marks----------\n");
    printf("Name: ");
    printf("%s \n",students[1].name);
    printf("Roll \t: ");
    printf("%d \n",students[1].roll);
    printf("section: ");
    printf("%s \n",students[1].section);
    printf("department: ");
    printf("%s \n",students[1].department);
    printf("fees \t: ");
    printf("%d \n",students[1].fees);
    printf("results \t: ");
    printf("%d \n",students[1].results);
    printf("\n");
  }
  getch();
  return 0;
}
```

```
Enter 2 Student Details

Student 1:-
Name: supriya
Roll: 51
section: cn
department: is
fees: 58888
results: 97

Student 2:-
Name: srija
Roll: 39
section: cn
department: cse
fees: 58888
results: 94
```

```
Student 1:-
Name: supriya
Roll: 51
section: cn
department: is
fees: 58888
results: 97

Student 2:-
Name: srija
Roll: 39
section: cn
department: cse
fees: 58888
results: 94

-------------- Student Details who got highest marks ---------------
Name: supriya
Roll    : 51
section: cn
department: is
fees    : -6648
results         : 97

_
```

```
Enter 2 Student Details

Student 1:-
Name: swapnil
Roll: 43
section: cn
department: cse
fees: 87777
results: 45

Student 2:-
Name: ishaan
Roll: 36
section: cn
department: is
fees: 87777
results: 67
```

```
Student 1:-
Name: swapnil
Roll: 43
section: cn
department: cse
fees: 87777
results: 45

Student 2:-
Name: ishaan
Roll: 36
section: cn
department: is
fees: 87777
results: 67

-------------- Student Details who got highest marks ---------------
Name: ishaan
Roll    : 36
section: cn
department: is
fees    : 22241
results         : 67

_
```

```
Enter 2 Student Details

Student 1:-
Name: amit
Roll: 23
section: cn
department: is
fees: 67777
results: 78

Student 2:-
Name: raghav
Roll: 54
section: cn
department: cse
fees: 67777
results: 56_
```

```
Student 1:-
Name: amit
Roll: 23
section: cn
department: is
fees: 67777
results: 78

Student 2:-
Name: raghav
Roll: 54
section: cn
department: cse
fees: 67777
results: 56

-------------- Student Details who got highest marks ---------------
Name: amit
Roll    : 23
section: cn
department: is
fees    : 2241
results         : 78
```

QUES 11)WRITE A PROGRAMT TO SWAP TWO NUMBERS USING POINTERS.

```
#include <stdio.h>
#include <conio.h>
int main()
{
  int x, y, *a, *b, temp;
  clrscr();
  printf("Enter the value of x and y\n");
  scanf("%d%d", &x, &y);
  printf("Before Swapping\nx = %d\ny = %d\n", x, y);
  a = &x;
  b = &y;
  temp = *b;
  *b = *a;
  *a = temp;
  printf("After Swapping\nx = %d\ny = %d\n", x, y);
  getch();
  return 0;
}
```

```
Enter the value of x and y
98
3
Before Swapping
x = 98
y = 3
After Swapping
x = 3
y = 98
```

```
Enter the value of x and y
4
9
Before Swapping
x = 4
y = 9
After Swapping
x = 9
y = 4
```

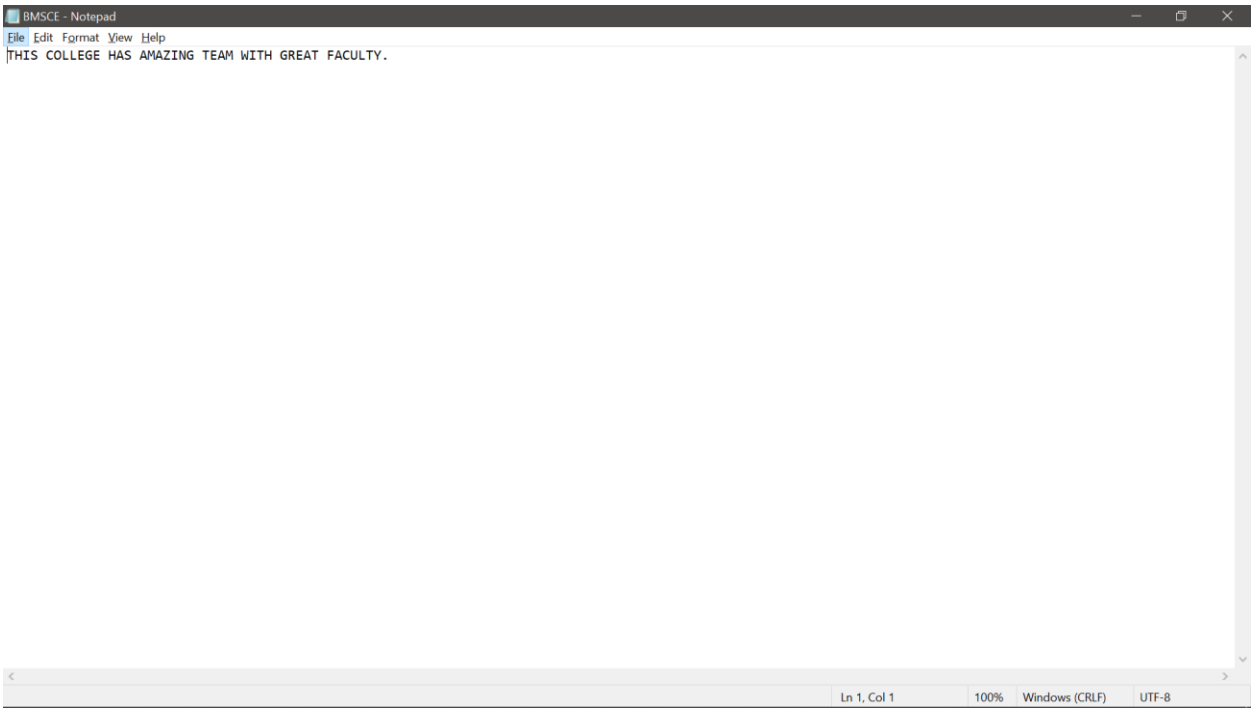

Enter the value of x and y
56
40
Before Swapping
x = 56
y = 40
After Swapping
x = 40
y = 56

QUES 12) Demonstrate how to read data from the keyboard, write it to a file called BMSCE, again read the same data from the BMSCE file, and display it on the screen/console

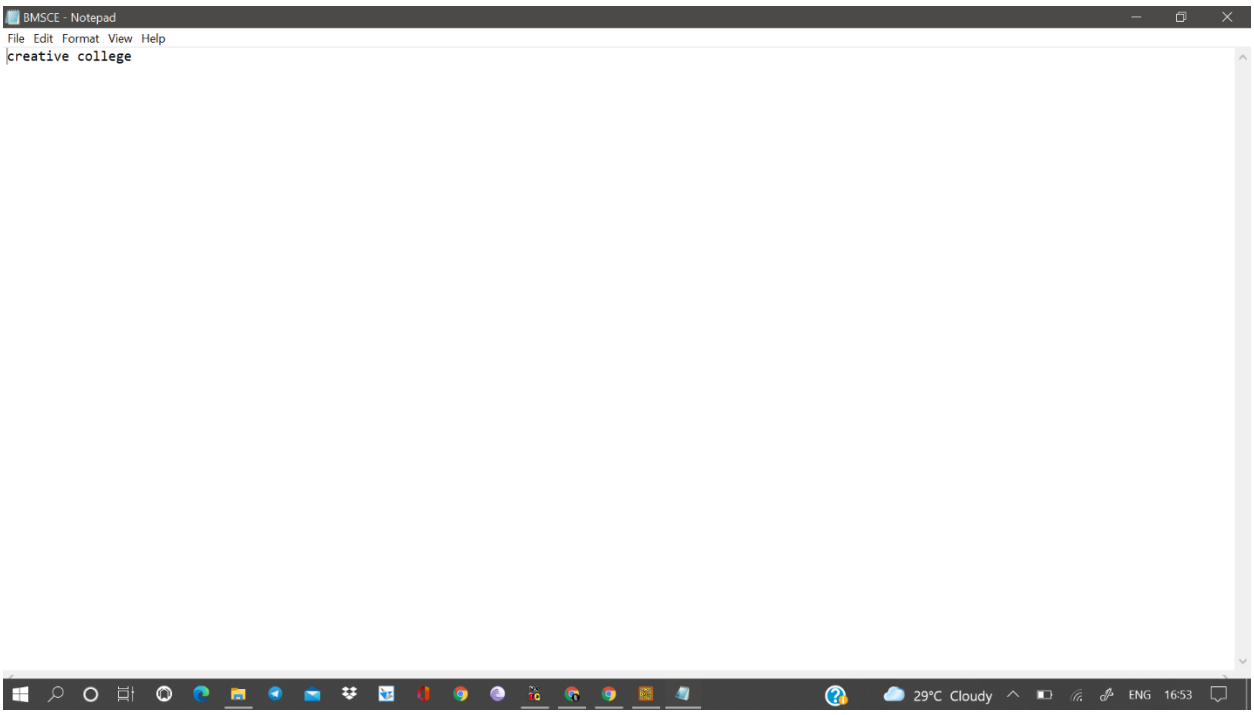
```
#include<stdio.h>
#include<conio.h>
int main()
{
   char feedback[40];
   clrscr();
   FILE *fp;
   fp=fopen("BMSCE.txt","w");
   printf("Write something about BMSCE\n");
   fgets(feedback,200,stdin);
   fputs(feedback,fp);
   fclose(fp);
   fp=fopen("BMSCE.txt","r");
   printf("Data read from the file:\n");
   while(fgets(feedback,200,fp) != NULL)
   {
       printf("%s",feedback);
   }
```

```
    getch();
    return 0;
}
```

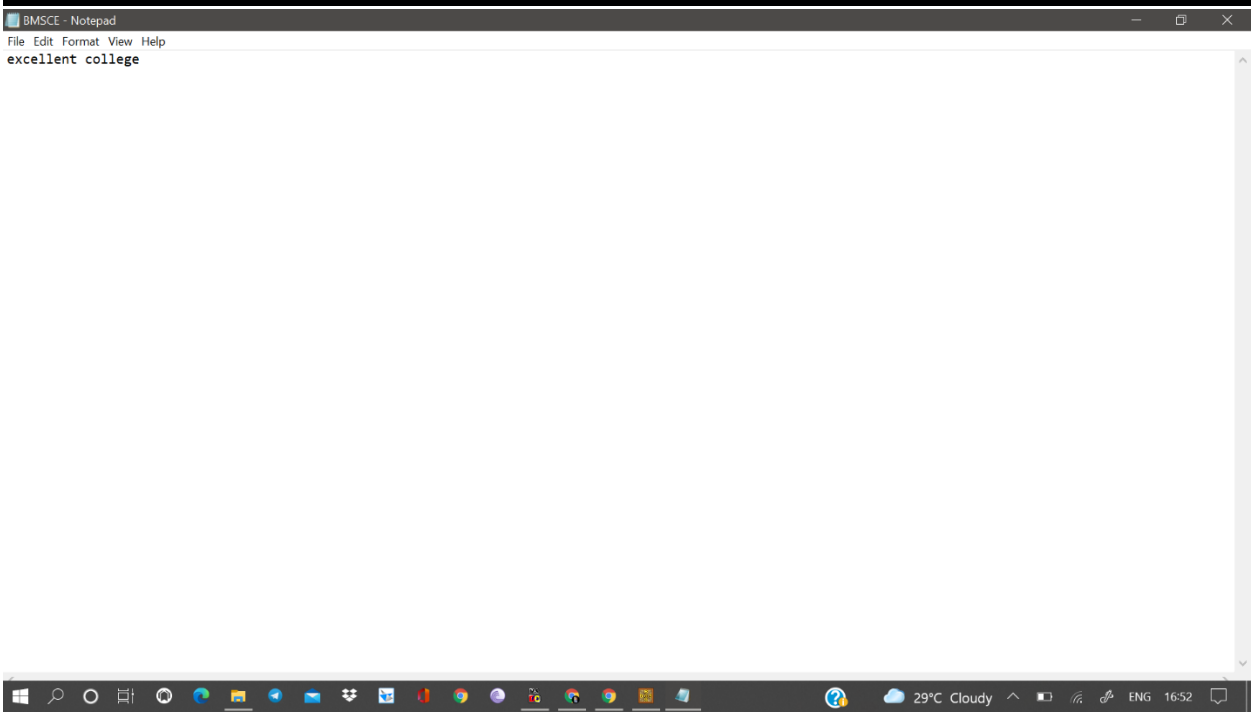
```
Write something about BMSCE
THIS COLLEGE HAS AMAZING FACULTY WITH GREAT TEAM.
Data read from the file:
THIS COLLEGE HAS AMAZING FACULTY WITH GREAT TEAM.
```



```
Write something about BMSCE
creative college
Data read from the file:
creative college
```



```
Write something about BMSCE
excellent college
Data read from the file:
excellent college
```



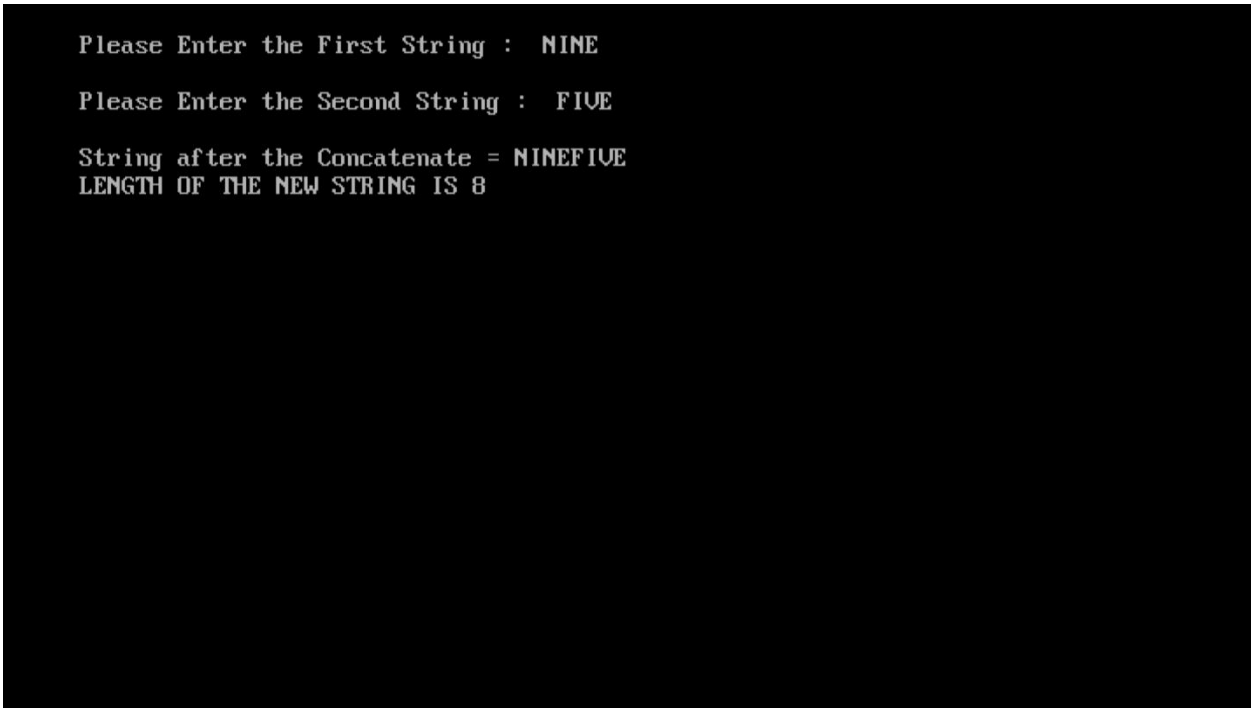
QUES 13) Implement a C program to concatenate two strings and find the length of resultant string without using built in functions.

```
#include <stdio.h>
#include <string.h>
#include <conio.h>
int main()
{
        char Str1[100], Str2[100];
        int i, j;
       clrscr();
        printf("\n Please Enter the First String :  ");
        scanf("%s",&Str1);
        printf("\n Please Enter the Second String :  ");
        scanf("%s",&Str2);
        for (i = 0; Str1[i]!='\0'; i++);
        for (j = 0; Str2[j]!='\0'; j++, i++)
        {
                Str1[i] = Str2[j];
        }
        Str1[i] = '\0';
       printf("\n String after the Concatenate = %s", Str1);
        for(i=0;Str1[i]!='\0';++i);
```

```
        printf("\n LENGTH OF THE NEW STRING IS %d",i);
        getch();
         return 0;
}
```

```
Please Enter the First String :  HARSHIT

Please Enter the Second String :  GUPTA

String after the Concatenate = HARSHITGUPTA
LENGTH OF THE NEW STRING IS 12
```

```
Please Enter the First String :  HELLO

Please Enter the Second String :  WORLD

String after the Concatenate = HELLOWORLD
LENGTH OF THE NEW STRING IS 10_
```


Please Enter the First String : NINE
Please Enter the Second String : FIVE
String after the Concatenate = NINEFIVE
LENGTH OF THE NEW STRING IS 8

QUES 14) Develop a C program to read and print three book details (i.e. Book Title, Author, Price, number of pages, date of publication). Also print the Book details with the highest price.

```
#include<stdio.h>
#include<conio.h>
struct books
{
        char title[30];
        char author[30];
        float price;
        int pages;
        char dateofp[30];
};
int main()
{
        clrscr();
        struct books book1,book2,book3;
        printf("Enter the Titles of Book1 Book2 and Book3\n");
        scanf("%s %s %s", book1.title, book2.title, book3.title);
        printf("Enter the Author of Book1 Book2 and Book3\n");
        scanf("%s %s %s", book1.author,book2.author,
book3.author);
```

```
        printf("Enter the Price of Book1 Book2 and Book3\n");
        scanf("%f %f %f", &book1.price, &book2.price,
&book3.price);
        printf("Enter the number of pages of Book1 Book2 and
Book3\n");
        scanf("%d %d
%d",&book1.pages,&book2.pages,&book3.pages);
        printf("Enter the Dates of publication of Book1 Book2 and
Book3\n");
        scanf("%s %s %s",
book1.dateofp,book2.dateofp,book3.dateofp);
        printf("Title of Book1 %s\n",book1.title);
        printf("Author of Book1 %s\n",book1.author);
        printf("Price of Book1 %0.2f\n",book1.price);
        printf("Number of pages in Book1 %d\n",book1.pages);
        printf("Date of publication of Book1 %s\n",book1.dateofp);
        printf("Title of Book2 %s\n",book2.title);
        printf("Author of Book2 %s\n",book2.author);
        printf("Price of Book2 %0.2f\n",book2.price);
        printf("Number of pages in Book2 %d\n",book2.pages);
        printf("Date of publication of Book2 %s\n",book2.dateofp);
        printf("Title of Book3 %s\n",book3.title);
        printf("Author of Book3 %s\n",book3.author);
        printf("Price of Book3 %0.2f\n",book3.price);
        printf("Number of pages in Book3 %d\n",book3.pages);
```

```
        printf("Date of publication of Book3 %s\n",book3.dateofp);
        if(book1.price>book2.price && book1.price>book3.price)
        {
                printf("Book1 has highest price");
                printf("*********Details of Book 1*********\n");
                printf("Title of Book1 %s\n",book1.title);
                printf("Author of Book1 %s\n",book1.author);
                printf("Price of Book1 %0.2f\n",book1.price);
                printf("Number of pages in Book1 %d\n",book1.pages);
                printf("Date of publication of Book1
%s\n",book1.dateofp);
                printf("**************************************\n");
        }
        else if(book2.price>book1.price && book2.price>book3.price)
        {
                printf("Book 2 has highest price\n");
                printf("*********Details of Book 2*********\n");
                printf("Title of Book2 %s\n",book2.title);
                printf("Author of Book2 %s\n",book2.author);
                printf("Price of Book2 %0.2f\n",book2.price);
                printf("Number of pages in Book2 %d\n",book2.pages);
                printf("Date of publication of Book2
%s\n",book2.dateofp);
                printf("**************************************\n");
```

```
        }
        else
        {
                printf("Book 3 has highest price\n");
                printf("*********Details of Book 3*********\n");
                printf("Title of Book3 %s\n",book3.title);
                printf("Author of Book3 %s\n",book3.author);
                printf("Price of Book3 %0.2f\n",book3.price);
                printf("Number of pages in Book3 %d\n",book3.pages);
                printf("Date of publication of Book3
%s\n",book3.dateofp);
                printf("*************************************\n");
        }
        getch();
        return 0;
}
```

```
Enter the Titles of Book1 Book2 and Book3
rapid
verna
audi
Enter the Author of Book1 Book2 and Book3
qqq
eee
ttt
Enter the Price of Book1 Book2 and Book3
5555
666
777
Enter the number of pages of Book1 Book2 and Book3
32
56
43
Enter the Dates of publication of Book1 Book2 and Book3
1
23
2
```

```
23
2
Title of Book1 rapid
Author of Book1 qqq
Price of Book1 5555.00
Number of pages in Book1 32
Date of publication of Book1 1
Title of Book2 verna
Author of Book2 eee
Price of Book2 666.00
Number of pages in Book2 56
Date of publication of Book2 23
Title of Book3 audi
Author of Book3 ttt
Price of Book3 777.00
Number of pages in Book3 43
Date of publication of Book3 2
Book1 has highest price**********Details of Book 1**********
Title of Book1 rapid
Author of Book1 qqq
Price of Book1 5555.00
Number of pages in Book1 32
Date of publication of Book1 1
**************************************
```

```
Enter the Titles of Book1 Book2 and Book3
innova
fortuner
endeavour
Enter the Author of Book1 Book2 and Book3
hhh
yyy
uuu
Enter the Price of Book1 Book2 and Book3
555
6666
777
Enter the number of pages of Book1 Book2 and Book3
23
34
45
Enter the Dates of publication of Book1 Book2 and Book3
12
23
30
```

```
30
Title of Book1 innova
Author of Book1 hhh
Price of Book1 555.00
Number of pages in Book1 23
Date of publication of Book1 12
Title of Book2 fortuner
Author of Book2 yyy
Price of Book2 6666.00
Number of pages in Book2 34
Date of publication of Book2 23
Title of Book3 endeavour
Author of Book3 uuu
Price of Book3 777.00
Number of pages in Book3 45
Date of publication of Book3 30
Book 2 has highest price
*********Details of Book 2*********
Title of Book2 fortuner
Author of Book2 yyy
Price of Book2 6666.00
Number of pages in Book2 34
Date of publication of Book2 23
**************************************
```

```
Enter the Titles of Book1 Book2 and Book3
game
car
bike
Enter the Author of Book1 Book2 and Book3
jon
sam
kam
Enter the Price of Book1 Book2 and Book3
555
666
777
Enter the number of pages of Book1 Book2 and Book3
45
45
67
Enter the Dates of publication of Book1 Book2 and Book3
12
13
14_
```

```
14
Title of Book1 game
Author of Book1 jon
Price of Book1 555.00
Number of pages in Book1 45
Date of publication of Book1 12
Title of Book2 car
Author of Book2 sam
Price of Book2 666.00
Number of pages in Book2 45
Date of publication of Book2 13
Title of Book3 bike
Author of Book3 kam
Price of Book3 777.00
Number of pages in Book3 67
Date of publication of Book3 14
Book 3 has highest price
*********Details of Book 3*********
Title of Book3 bike
Author of Book3 kam
Price of Book3 777.00
Number of pages in Book3 67
Date of publication of Book3 14
************************************
_
```