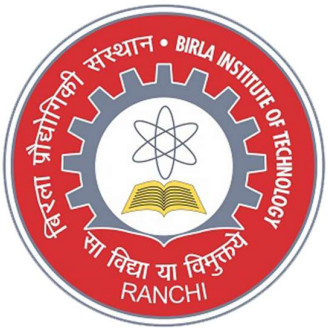
Birla Institute of Technology,Mesra,

Patna Campus



CD-Assignment

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Sec-CSE 6th

Assignment-3

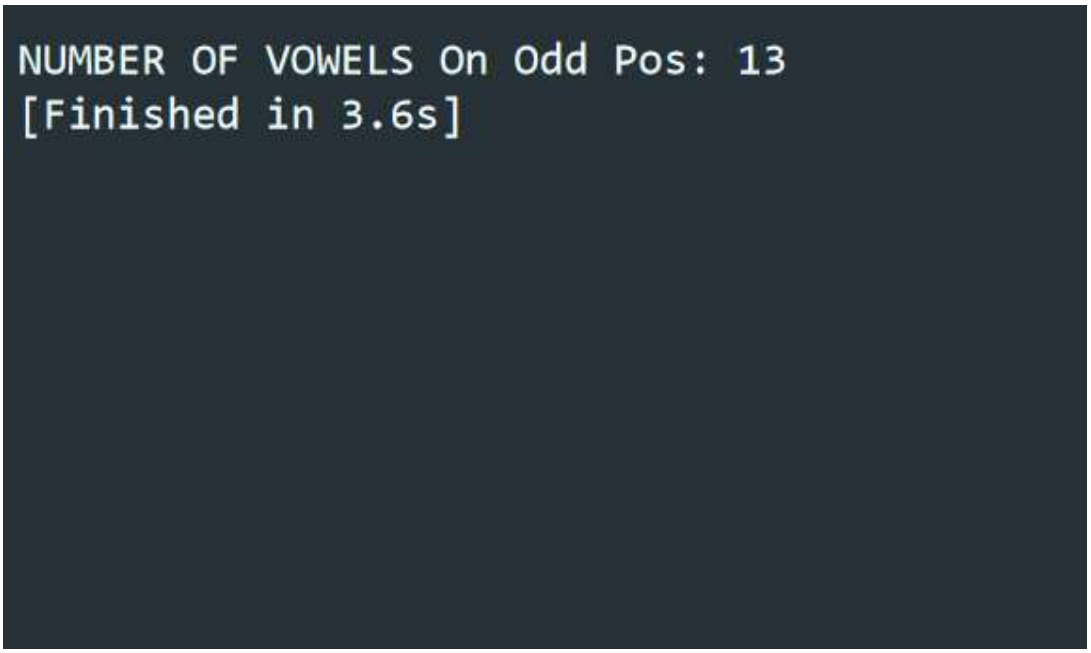
7. Write a program to count number of words whichhave a vowel onodd position of a text file using file handling.

Code:-

```
#include <stdio.h>

int main() {

FILE *fp;

 char* file =

"C:\\Users\\vampirepapi\\Desktop\\nowhere\\Codes\\Cpp\\test.txt";


  unsigned short vowels = 0;

char c;


 fp = fopen(file, "r"); // 'r' opens the file in read mode

   //printf("READING THE CONTENTS OF THE FILE [ %s ]\n", file);
```

```
while((c = fgetc(fp)) != EOF) {
    if(c == 'a' || c == 'A' || c == 'e' || c == 'E' || c == 'i' || c == 'I' || c == 'o' || c == 'O' || c == 'u' || c == 'U') {



   vowels++;
    }

//     printf("%c", c);

  }



  printf("\n");

  printf("NUMBER OF VOWELS On Odd Pos: %hu \n", vowels);

  fclose(fp);
  return 0;
}
```

Output:-



8. Write a program to count number of words which have a vowel onodd position in odd lines of a text file using file handling.

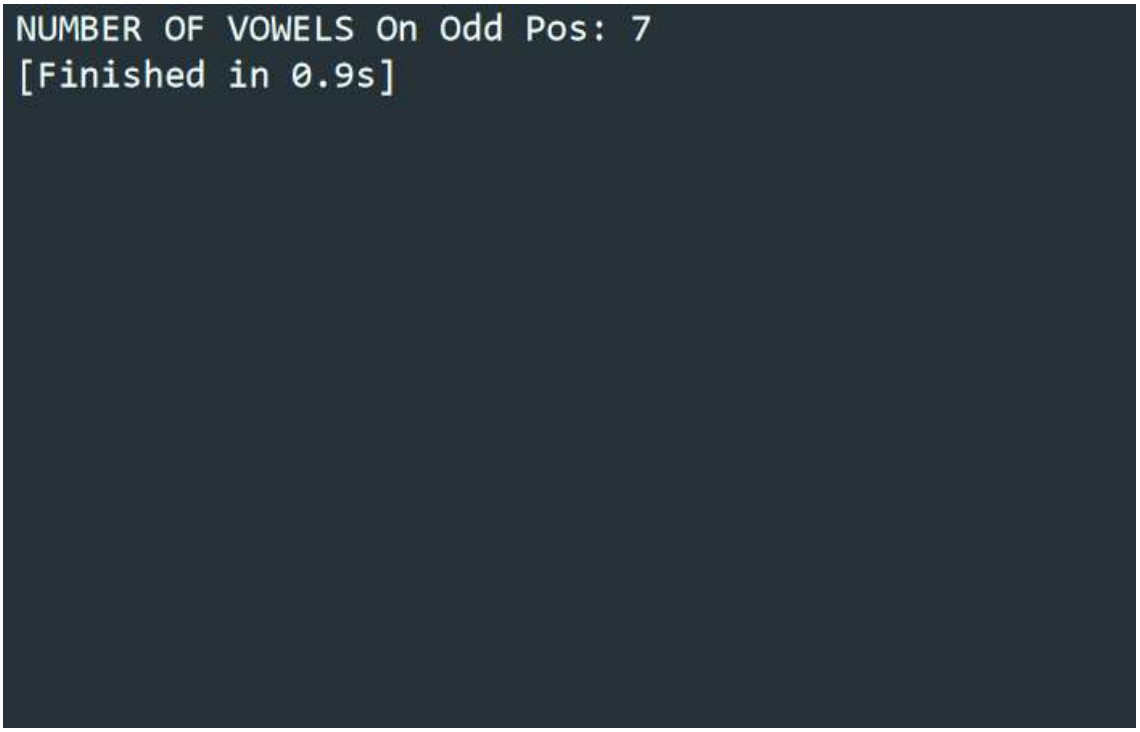
Code:-

```
#include <stdio.h>

//c program

//to count

//no. of vowels

//on odd position

//on odd lines
```

```
int main() {
  FILE *fp;
  char* file =
"C:\\Users\\vampirepapi\\Desktop\\nowhere\\Codes\\Cpp\\test.txt
";
  unsigned short vowels = 0;
  char c;

  fp = fopen(file, "r"); // 'r' opens the file in read mode

  //printf("READING THE CONTENTS OF THE FILE [ %s ]\n", file);

  while((c = fgetc(fp)) != EOF) {
    if(c == 'a' || c == 'A' || c == 'e' || c == 'E' || c == 'i' || c == 'I' || c
== 'o' || c == 'O' || c == 'u' || c == 'U') {
      vowels++;
    }

//     printf("%c", c);
  }

  printf("\n");

  printf("NUMBER OF VOWELS On Odd Pos: %hu \n", vowels);
```

```
  fclose(fp);
  return 0;
}
```

Output:-



9. Write a program to check either inputted string is valid identifier ornot.

Code:-

```
#include <stdio.h>
#include <conio.h>
```

```
void main()
{

    int i=0,flag=0;
    char
keyw[10][10]={"int","float","break","long","char","for","if","switch","else","wh
ile"},a[10];
    clrscr();
    printf("Enter Identifier : ");
    gets(a);
    for(i=0;i<10;i++)
    {
        if((strcmp(keyw[i],a)==0))
        {
            flag=1;
        }
    }
    if(flag==1)
    {
        printf("\n%s is Keyword.",a);
    }
    else
    {
        flag=0;

        if((a[0]=='_')||(isalpha(a[0])!=0))
        {
```

```
            for(i=1;a[i]!='\0';i++)
            {
                if((isalnum(a[i])==0)&&(a[i]!='_'))
                {
                    flag=1;
                }
            }
        }
        else
        {
            flag=1;
        }
    }
    if(flag==0)
    {
        printf("\n%s is an Identifier.",a);
    }
    else
    {
        printf("\n%s is Not an Identifier.",a);
    }
    getch();
}
```

Output:-

```
Enter Identifier : _id

_id is an Identifier._
```

```
Enter Identifier : 1_id

1_id is Not an Identifier.
```