How can implement the system call I seek():Moves the file offset for a given file descriptor

Iseek (C System Call): Iseek is a system call that is used to change the location of the read/write pointer of a file descriptor. The location can be set either in absolute or relative terms.

Function Definition

off t lseek(int fildes, off t offset, int whence);

Field Description

int fildes: The file descriptor of the pointer that is going to be moved

off_t offset: The offset of the pointer (measured in bytes).

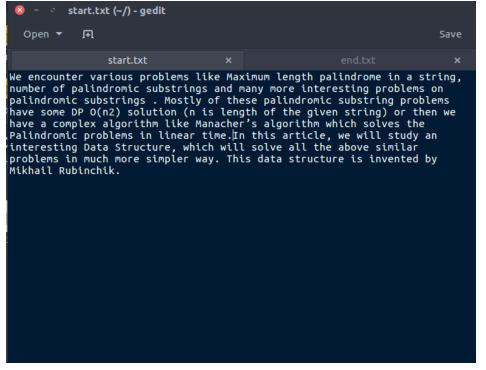
int whence: The method in which the offset is to be interpreted

(rela, absolute, etc.). Legal value r this variable are provided at the end.

Return value: Returns the offset of the pointer (in bytes) from the

beginning of the file. If the return value is -1, then there was an error moving the pointer.

For example, say our Input file is as follows:



```
#include <stdio.h>
#include <unistd.h>
#include <sys/types.h>
#include <fcntl.h>
void func(char arr[], int n)
  int f_write = open("start.txt", O_RDONLY);
  int f_read = open("end.txt", O_WRONLY);
  int count = 0;
  while (read(f_write, arr, 1))
    // to write the 1st byte of the input file in
    // the output file
    if (count < n)
      // SEEK_CUR specifies that
      // the offset provided is relative to the
      // current file position
      lseek (f_write, n, SEEK_CUR);
      write (f read, arr, 1);
      count = n;
    }
    // After the nth byte (now taking the alternate
    // nth byte)
    else
      count = (2*n);
      lseek(f_write, count, SEEK_CUR);
      write(f_read, arr, 1);
    }
  }
  close(f_write);
  close(f_read);
int main()
  char arr[100];
  int n;
  n = 5;
  // Calling for the function
  func(arr, n);
  return 0;
}
```

