Week-14:

i)Write a C program to read and write text into file

```
#include <stdio.h>
#include <stdlib.h>
void main( )
{
  int num;
  FILE *fptr;
  fptr = fopen("C:\\program.txt","w");
  if(fptr == NULL)
  {
    printf("Error!");
    exit(1);
  }
  printf("Enter num: ");
  scanf("%d",&num);
  fprintf(fptr,"%d",num);
  fclose(fptr);
}
```

ii) **Write a C program to read and write text into binary file**

```
#include<stdio.h>
struct record
{
  int a,b,c;
};
void main()
{
 int count;
 FILE *ptr;
 struct record myRecord;
 ptr=fopen("test.bin","rb");
 if (!ptr)
 {
   printf("Unable to open file!");     return 1;
 }
 for ( count=1; count <= 10; count++)
 {
  fread(&myRecord,sizeof(struct record),1,ptr);   printf("%d\n",myRecord.a);
 }
fclose(ptr);
 }
```

iv)Write a C program to merge two into files into third file

```
#include <stdio.h>
#include <stdlib.h>
  void main()
{
   FILE *fp1 = fopen("file1.txt", "r");
   FILE *fp2 = fopen("file2.txt", "r");
   FILE *fp3 = fopen("file3.txt", "w");
   char c;
    if (fp1 == NULL || fp2 == NULL || fp3 == NULL)
   {
        puts("Could not open files");
        exit(0);
   }
     while ((c = fgetc(fp1)) != EOF)
      fputc(c, fp3);
     while ((c = fgetc(fp2)) != EOF)
      fputc(c, fp3);
     printf("Merged file1.txt and file2.txt into file3.txt");
     fclose(fp1);
   fclose(fp2);
   fclose(fp3);
  }
```

Output: Merged file1.txt and file2.txt into file3.txt

vi) write a c program to print last n characters of a given file

```
#include<stdio.h>
void main()
{
   FILE *fp;
   char ch;
   int number = 10;
   long length;
   fp = fopen("opengenus.txt", "r");
   if (fp == NULL) {
      puts("cannot open this file");
      exit(1);
   }
   fseek(fp, 0, SEEK_END);
   length = ftell(fp);
   fseek(fp, (length - number), SEEK_SET);
   do {
      ch = fgetc(fp);
      putchar(ch);
   } while (ch != EOF);
   fclose(fp);}
```