ASSIGNMENT

1. Write a program to read a file character by character and display its content on screen.

2. Write a function to read a file character by character and copy the contents to another file.

3. Write a function to read a file line by line and copy the contents to another file.

TWISTERS

```c
1. #include<stdio.h>
#pragma pack(1)
struct Demo
    {
        int bit1:1; int bit2:4; int bit3:3;
    };
int main(void)
{
    struct Demo d1;
    printf("%d",sizeof(d1));
    return 0;
}
```
A. 1
B. 2
C. 8
D. 10

Answer: A

if file contents following data in sunbeam.txt
[PUNE KARAD SATARA MUMBAI]

```c
#include <stdio.h>
#include <stdlib.h>
int main(void)
{
    FILE *fptr=fopen("sunbeam.txt","r"); char ch;

    while(!feof(fptr))
    {
        printf("%c",fgetc(fptr));
        fseek(fptr,-1,SEEK_CUR);
    } fclose(fptr);
    return 0;
}
```

A. P
B. Infinite loop
C. No output
D. I

Answer: B

3. if file contents following data in sunbeam.txt
[PUNE KARAD SATARA MUMBAI]

```c
#include <stdio.h>
int main( void )
{
    FILE *fp=NULL; char c[1024];
    fp = fopen("Sunbeam.txt", "r");
    fseek(fp, 0, SEEK_END);
    fseek(fp, -9L, SEEK_CUR);
    fgets(c, 5, fp);
    puts(c);
    return 0;
}
```

A. RA MUM
B. ARA
C. TARA M
D. run time error

Answer: D

```c
#include<stdio.h>
int main(void)
{
    enum colors{RED=0,BLUE,GREEN,YELLOW};
    enum location{MARKETYARD=-1,HINJAWADI,KARAD,SATARA};
    enum colors clr=RED;
    enum location lct=HINJAWADI;
    if(clr==lct)
        printf("True");
    else
        printf("False");
    return 0;
}
```

A. False
B. True
C. Compile time error
D. No output

Answer: B