

**2 .Identify the system calls to copy the content of one file to another and illustrate the same using a C program.**

**A. Code:**

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    FILE *fptr1, *fptr2; char
    filename[100], c;
    printf("Enter the filename to open for reading \n");
    scanf("%s", filename);
    fptr1 = fopen(filename, "r");if
    (fptr1 == NULL)
    {
        printf("Cannot open file %s \n", filename);
        exit(0);
    }
    printf("Enter the filename to open for writing \n");
    scanf("%s", filename);
    fptr2 = fopen(filename, "w");if
    (fptr2 == NULL)
    {
        printf("Cannot open file %s \n", filename);
        exit(0);
    }
    c = fgetc(fptr1);
    while (c != EOF)
    {
        fputc(c, fptr2); c
        = fgetc(fptr1);
    }
    printf("\nContents copied to %s", filename);
    fclose(fptr1);
    fclose(fptr2);
    return 0;
}
```

**Output:**

```
Enter the filename to open for reading  
common  
Cannot open file common
```

```
-----  
Process exited after 5.162 seconds with return value 0  
Press any key to continue . . .
```