

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

void main()
{
    int i;
    long p;

    for (i=0,p=1 ; i<32 ; i++,p*=2)
    {
        printf("Two to the power %d is %ld\n",i,p);
    }
}
```

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

void main()
{
    int i;
    long p;
    FILE *OutFile;

    OutFile = fopen("MyTab.txt","w");
    for (i=0,p=1 ; i<32 ; i++,p*=2)
    {
        fprintf(OutFile,"Two to the power %d is %ld\n",i,p);
    }
    fclose(OutFile);
}
```

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

void main()
{
    int Num,Total;
    FILE *MyFile;

    MyFile = fopen("infile.txt","r");
    if (MyFile == NULL)
    {
        fprintf(stderr,"Can't open infile.txt\n");
        exit(100);
    }
    Total = 0;
    fscanf(MyFile,"%d",&Num);
    while (!feof(MyFile))
    {
        Total += Num;
        fscanf(MyFile,"%d",&Num);
    }
    fprintf(stdout,"The Total is %d\n",Total);
    fclose(MyFile);
}
```

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

void main()
{
    int Num,Total;

    Total = 0;
    fscanf(stdin,"%d",&Num);
    while (!feof(stdin))
    {
        Total += Num;
        fscanf(stdin,"%d",&Num);
    }
    fprintf(stdout,"The Total is %d\n",Total);
}
```

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

void main()
{
    char tc;
    FILE *InFile, *OutFile;

    InFile = fopen("infile.txt", "r");
    if (InFile == NULL)
    {
        fprintf(stderr, "Can't open infile.txt\n");
        exit(100);
    }
    OutFile = fopen("outfile.txt", "w");
    tc = getc(InFile);
    /* The Following Statement is INCORRECT!!!! */
    /* while (tc != EOF) */
    while (!feof(InFile))
    {
        putc(tc, OutFile);
    }
    fclose(InFile);
    fclose(OutFile);
}
```