```
#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
#include<string.h>
#include<fcntl.h>
                     // open,read(),close() : file related function
void count(char *p1, char*fname)
     int handle,ccnt=0,wcnt=0,lcnt=0;
     char ch;
     handle=open(fname, O RDONLY);
     if(handle==-1)
           printf("\n File %s Not Found....", fname);
     else
           while (read (handle, &ch, 1))
                                                 //on failure read()
function returns 0
                if(ch==' '||ch=='\t')
                      wcnt++;
                else if(ch=='\n')
                      lcnt++;
                      wcnt++;
                ccnt++;
           close(handle);
           if(strcmp(p1,"C")==0)
                printf("\nTotal No. of character in file = %d",ccnt);
           else if (strcmp(p1, "W") == 0)
                printf("\nTotal No. of words in file = %d", wcnt);
           else if (strcmp(p1,"L")==0)
                printf("\nTotal No. of Lines in file = %d", lcnt);
           else
                printf("\nInvalid Option....\n");
     }
```

```
int main()
        char cmd[80],tok1[10],tok2[10],tok3[10],tok4[10];
        int n;
        while(1)
                printf("\nMYSHELL $]");
                 fgets(cmd, 80, stdin);
                 n=sscanf(cmd,"%s%s%s%s",tok1,tok2,tok3,tok4); //n=no
of tokens are formed from given command
                 switch(n)
                         case 1:
                                  if(fork() == 0)
                                          execlp(tok1,tok1,NULL);
//paramenters- nameOfProcess,parametersOfProcess
                                  wait(0);
                                 break;
                         case 2 :
                                  if(fork() == 0)
                                          execlp(tok1, tok1, tok2, NULL);
                                  wait(0);
                                 break;
                         case 3:
                       if(strcmp(tok1,"count")==0)
                            count(tok2,tok3);
                       else
                       {
                                  if(fork() == 0)
     execlp(tok1,tok1,tok2,tok3,NULL);
                                  wait(0);
                       }
                                 break;
                         case 4 :
                                  if(fork() == 0)
```