triveni@LAPTOP-O8H96CDL: ~/MCGWorkspace/Assignment/ass5	-	$\times$
triveni@LAPTOP-08H96CDL:~/MCGWorkspace/Assignment\$ cd ass5 triveni@LAPTOP-08H96CDL:~/MCGWorkspace/Assignment/ass5\$ vi Ass5.c		^
triveni@LAPTOP-08H96CDL:~/McGWorkspace/Assignment/ass55 vi Ass5.c		
Ass5.c a.out		
triveni@LAPTOP-O8H96CDL:~/MCGWorkspace/Assignment/ass5\$ gcc Ass5.c triveni@LAPTOP-O8H96CDL:~/MCGWorkspace/Assignment/ass5\$ ./a.out		
Usage: ./app serverName1:port1 serverName2:port2 triveni@LAPTOP-08H96CDL:~/MCGWorkspace/Assignment/ass5\$ _		

```
triveni@LAPTOP-O8H96CDL: ~/MCGWorkspace/Assignment/ass5
                                                                                                                                                                                                                      #include <stdlib.h>
#include <string.h>
int getWords(char *, char*, char *);
int validSName(char *);
int validPNum();
void concatSName(char *, char *, int );
int main(int argc, char *argv[])
        int i, cwords=0, retValue=0;
        char servNames[10][100] = { '\0',};
        char portNums[10][10] = {'\0',};
        char cSNames[100] = {'\0', };
        if(argc <= 1)
                 printf("\nUsage: ./app serverName1:port1 serverName2:port2 ....\n");
exit(EXIT_FAILURE);
        for(i=1, cwords=0;i<argc;i++,cwords++)</pre>
                retValue = getWords(servNames[cwords], portNums[cwords], argv[i]);
                if(retValue == 1)
                        cwords--;
        for(i=0;i<cwords;i++){</pre>
                printf("\n%s", servNames[i]);
                if(i==cwords-1)
                        concatSName(servNames[i], cSNames, 0);
                        concatSName(servNames[i], cSNames, 1);
               printf("\n%s",cSNames);
               printf("\n\n");
int getWords(char *sNames, char *pNums, char *argv)
                char *tokens;
                tokens = strtok(argv, ":");/*printf("\n%s",tokens);*/
                if(validSName(tokens) == 0)
                                                                                                                                                                                                            1 10
```

```
triveni@LAPTOP-O8H96CDL: ~/MCGWorkspace/Assignment/ass5
                                                                                                                                                                                                            strcpy(sNames,tokens);
               tokens = strtok(NULL, ":");
               if(validPNum(tokens) == 0)
               if((atoi(tokens)>=0)&&(atoi(tokens)<=1023))</pre>
                       strcpy(pNums, tokens);
int validSName(char *sName)
               int size = 0, i;
               int flag = 0;
               if(sName != NULL){
                       size = strlen(sName);
                               if(isalpha(sName[i])== 0)
                                       flag = 1;
               flag = 1;
       if(flag == 1)
int validPNum(char *pNum)
       int size = 0, i;
       int flag = 0;
       if(pNum != NULL){
               size = strlen(pNum);
```

```
triveni@LAPTOP-O8H96CDL: ~/MCGWorkspace/Assignment/ass5
                               if(isalpha(sName[i])== 0)
                                       flag = 1;
               flag = 1;
       if(flag == 1)
int validPNum(char *pNum)
       int size = 0, i;
       int flag = 0;
       if(pNum != NULL){
               size = strlen(pNum);
               for(i=0;i<size;i++)</pre>
                       if(isdigit(pNum[i])== 0)
                               flag = 1;
               flag = 1;
       if(flag == 1)
void concatSName(char *sNames, char *cSNames, int n)
       strcat(cSNames, sNames);
               strcat(cSNames,"_");
```