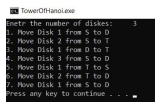Tower of hennoi

```c
#include<stdio.h>
int count=1;
void TowerOfHanoi(int n,char src,char temp,char des){
  if(n==1){
  printf("%d. Move Disk %d from %c to %c\n",count++,n,src,des);return;}
   TowerOfHanoi(n-1,src,des,temp);
   printf("%d. Move Disk %d from %c to %c\n",count++,n,src,des);
   TowerOfHanoi(n-1,temp,src,des);
}

void main(){
  int n=0;
  printf("Enetr the number of diskes:\t");
  scanf("%d",&n);
  TowerOfHanoi(n,'S','T','D');

}
```


Selection sort

```c
#include<stdio.h>
#include <stdlib.h>
#include<time.h>
int main(){
  int last,arr[10000];
  clock_t end,start;
printf("Enter the Size of array  :");
scanf("%d",&last);
for(int i=0;i<last;i++){
  arr[i]=rand()%20;
  printf("%d\t",arr[i]);
}printf("\n");
start=clock();
for(int i=1;i<last;i++){
  for(int j=0;j<=last-1-i;j++){
    if(arr[j]>arr[j+1]){
    int temp=arr[j];
    arr[j]=arr[j+1];
    arr[j+1]=temp;
    }
  }
```

```
}end=clock();
printf("Time in sec %f\n",(((double)(end-start))/CLOCKS_PER_SEC));
for(int i=0;i<last;i++){
  printf("%d\t",arr[i]);
}
}
```