```
Script started on 2020-03-29 21:10:46+0530
Harshini@Harshini [00m: [01;34m~/Desktop/threa $gcc thread.c -o -t -lpthread
Harshini@Harshini [00m: [01;34m~/Desktop/threa $ cat thread.c
#include<pthread.h>
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
int max, min, I;
float avg;
int list[10];
void *Max(void *param);
void *Min(void *param);
void *Avg(void *param);
int main(int argc, char *argv[])
       pthread t tid1, tid2, tid3;
       pthread_attr_t attr1, attr2, attr3;
       if (argc < 2)
       {
               fprintf(stderr,"Usage: Enter list of integer values\n");
               return -1;
       for(int i = 1; i < argc; i++)
               list[i-1] = atoi(argv[i]);
       I = argc - 1; // no of arguments
        pthread_attr_init(&attr1);
       pthread attr init(&attr2);
       pthread_attr_init(&attr3);
        pthread_create(&tid1,&attr1,Max, list);
        pthread_create(&tid2,&attr2,Min, list);
        pthread_create(&tid3,&attr3,Avg, list);
        pthread_join(tid1,NULL);
       pthread_join(tid2,NULL);
       pthread join(tid3,NULL);
       printf("Maximum : %d\t Minimum : %d\t Average: %f\n",max,min,avg);
void *Max(void *param)
{
       max = list[0];
       for(int i = 1; i < l; i++)
       {
               if(max < list[i]) max = list[i];</pre>
       }
```

```
pthread_exit(0);
}
void *Min(void *param)
       min = list[0];
       for(int i = 1; i < I; i++)
       {
               if(min > list[i]) min = list[i];
       pthread_exit(0);
void *Avg(void *param)
       avg = 0;
       for(int i = 0; i < l; i++)
       {
               avg += list[i];
       }
       avg /= I;
       pthread_exit(0);
Harshini@Harshini [00m: [01;34m~/Desktop/threa $ ./t 2 9 8 199 -1 93 0 49
                       Minimum: -1 Average: 44.875000
Maximum: 199
Harshini@Harshini [00m: [01;34m~/Desktop/threa [00m$ exit
exit
```

Script done on 2020-03-29 21:11:24+0530