

Registration Number: 19BCE2119

Name: Gaurav Kumar Singh

Mid term

Course: Operating Systems

CODE:

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

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

```
#include <unistd.h>
```

```
#include <pthread.h>
```

```
#include <string.h>
```

```
void *Input_file(void *vargp){
```

```
    FILE *fptr;
```

```
    char str[100];
```

```
    fptr = fopen("Input_file.txt","a");
```

```
    int i = (int)vargp;
```

```
    for(int k=0;k<i;k++){
```

```
        printf("Enter encoded message:");
```

```
        scanf("%s",str);
```

```
    }
```

```
    for (int k=0; k<20;k++){
```

```
        fputc(str[k], fptr);
```

```
    }
```

```
    printf("Input Function Complete");
```

```
}
```

```

int main(){

    pthread_t ithread, othread;

    int i_n;

    printf("INPUT");

    i_n=2;

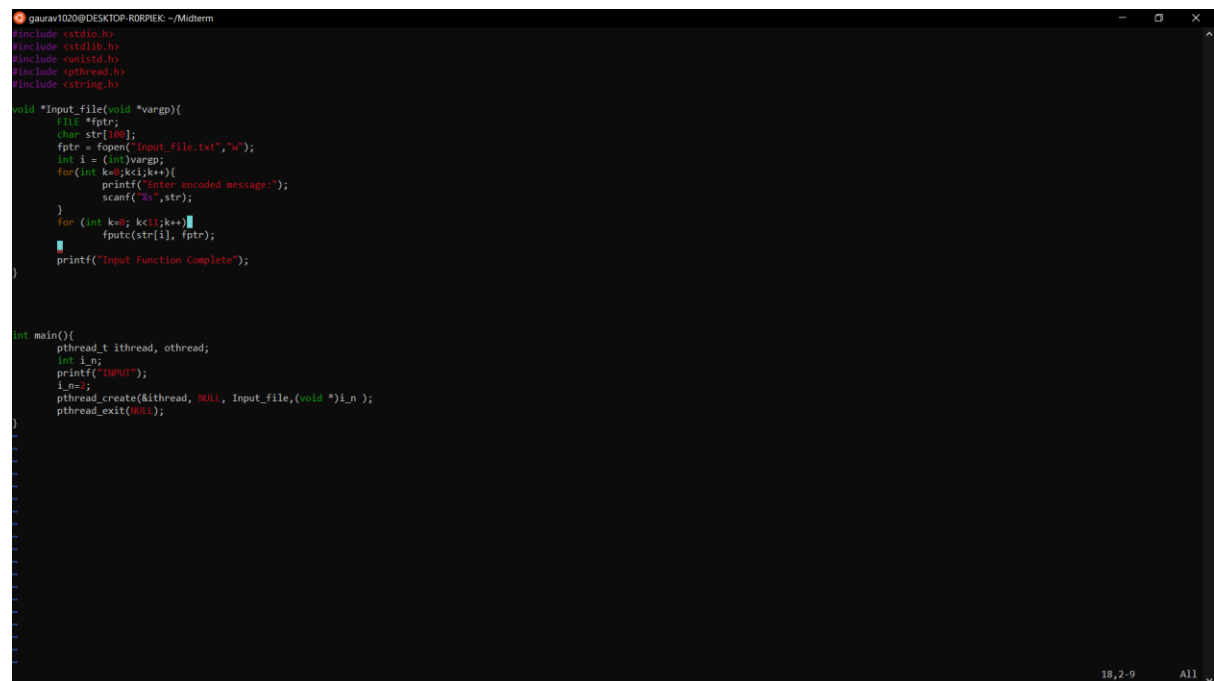
    pthread_create(&ithread, NULL, Input_file,(void *)i_n );

    pthread_exit(NULL);

}

```

OUTPUT:



```

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#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <pthread.h>
#include <string.h>

void *Input_file(void *vargp){
    FILE *fptr;
    char str[100];
    fptr = fopen("input_file.txt","w");
    int i = (int)vargp;
    for(int k=0;k<i;k++){
        printf("Enter encoded message:");
        scanf("%s",str);
    }
    for (int k=0; k<i;k++){
        fputc(str[i], fptr);
    }
    printf("Input Function Complete");
}

int main(){
    pthread_t ithread, othread;
    int i_n;
    printf("INPUT");
    i_n=2;
    pthread_create(&ithread, NULL, Input_file,(void *)i_n );
    pthread_exit(NULL);
}

```

