Programs - Operating systems:-

(1) Process - Creation:-

Out Put:-

before fork : Process id is 166629
This is child Procen
Process id is 166630 and PPID is 166629
Before fork : process id is 166629
This is parent procen
Procen id is 166629 and PPID is 166
newly created procen id or child pid is 166630.

② file Copying:-

Output:-

enter the Source filename:
Source .~~docx~~ txt
enter the target file name:
target .~~docx~~ .txt .
file copied Successfully.

③ SJF Scheduling:-

Output:-

enter the no. of Process : 3
enter the burst time:
P_1 : 5
P_2 = 8
P_3 = 3.

Pt	Bt	wt	tAT
P_1	5	0	5
P_3	3	1	4
P_2	8	6	14

Av. wt. time = 2.33 ; Avtat = 7.66.

④ FCFS Scheduling:-

enter the no. of Process : 3.
Enter the Burst time:
P_1 = 5
P_2 = 8
P_3 = 3

Enter the arrival time:-

$P_1 = 15$

$P_2 = 17$

$P_3 = 19$.

Pt	BT	AT.	WT	TAT.
P_1	5	15	0	5
P_2	8	17	3	11
P_3	3	19	9	12

Av. wt = 4.33

Av. TAT = 9.33

o/p Verified

⑤ Priority Scheduling :-

Enter the no. of process = 4

Enter the Burst & Priority=

P[1]
Burst time = 20
Priority = 2.

P[2]
Burst time : 25
Priority = 3

P[3]
Burst time = 10
Priority time = 4

P(4)
Boust time = 15
Priority time = 1

Process	Boust Time	wtime	TAT.
P[4]	15	0	15
P[1]	20	15	35
P[2]	25	35	60
P[3]	10	60	70

Av. wt = 27.5
Av-TAT = 45