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SUBJECT: Operating System
SECTION: COM232
PROFESSOR: Gaudencio Jeffrey G. Romano

Activity Name: FCFS Algorithm

Sample Output #1

Number of Processes 5

```
Enter number of processes (3-5): 5
```

```
Enter process details:
```

```
Enter Arrival Time for P1: 0
```

```
Enter Burst Time for P1: 4
```

```
Enter Arrival Time for P2: 1
```

```
Enter Burst Time for P2: 3
```

```
Enter Arrival Time for P3: 2
```

```
Enter Burst Time for P3: 1
```

```
Enter Arrival Time for P4: 3
```

```
Enter Burst Time for P4: 2
```

```
Enter Arrival Time for P5: 5
```

```
Enter Burst Time for P5: 4
```

```
=== SCHEDULING RESULTS ===
```

```
Process  Arrival Time  Burst Time  Completion Time  Turnaround Time  Waiting Time
```

```
-----  
P1         0           4           4             4             0  
P2         1           3           7             6             3  
P3         2           1           8             6             5  
P4         3           2          10             7             5  
P5         5           4          14             9             5  
-----
```

=== SCHEDULING RESULTS ===

Process	Arrival Time	Burst Time	Completion Time	Turnaround Time	Waiting Time
---------	--------------	------------	-----------------	-----------------	--------------

P1	0	4	4	4	0
P2	1	3	7	6	3
P3	2	1	8	6	5
P4	3	2	10	7	5
P5	5	4	14	9	5

Average Turnaround Time: 6.40

Average Waiting Time: 3.60

=== GANTT CHART ===

P1	P2	P3	P4	P5
0 4	7 8	10	14	

Do you want to try again? (yes/no): *yes*

=== FCFS SCHEDULING ALGORITHM ===

Sample Output # 2

Number of Processes 4

=== FCFS SCHEDULING ALGORITHM ===

Enter number of processes (3-5): 4

Enter process details:

Enter Arrival Time for P1: 3

Enter Burst Time for P1: 4

Enter Arrival Time for P2: 1

Enter Burst Time for P2: 3

Enter Arrival Time for P3: 4

Enter Burst Time for P3: 2

Enter Arrival Time for P4: 2

Enter Burst Time for P4: 1

=== SCHEDULING RESULTS ===

Process	Arrival Time	Burst Time	Completion Time	Turnaround Time	Waiting Time
---------	--------------	------------	-----------------	-----------------	--------------

P1	1	3	4	3	0
----	---	---	---	---	---

P2	2	1	5	3	2
----	---	---	---	---	---

P3	3	4	9	6	2
----	---	---	---	---	---

P4	4	2	11	7	5
----	---	---	----	---	---

Enter Arrival Time for P2: 2

Enter Burst Time for P2: 3

Enter Arrival Time for P3: 4

Enter Burst Time for P3: 2

Enter Arrival Time for P4: 2

Enter Burst Time for P4: 1

=== SCHEDULING RESULTS ===

Process	Arrival Time	Burst Time	Completion Time	Turnaround Time	Waiting Time
---------	--------------	------------	-----------------	-----------------	--------------

P1	1	3	4	3	0
----	---	---	---	---	---

P2	2	1	5	3	2
----	---	---	---	---	---

P3	3	4	9	6	2
----	---	---	---	---	---

P4	4	2	11	7	5
----	---	---	----	---	---

Average Turnaround Time: 4.75

Average Waiting Time: 2.25

=== GANTT CHART ===

| P1 | P2 | P3 | P4 |

1 4 5 9 11

Do you want to try again? (yes/no):