**ALGORITHM 1:** Write a program to demonstrate the use of FCFS CPU scheduling algorithm.

import java.util.Scanner;

public class FCFS

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

System.out.print("Enter the number of processes: ");

int n = sc.nextInt();

int[] burstTime = new int[n];

int[] waitingTime = new int[n];

int[] turnaroundTime = new int[n];

System.out.println("Enter burst time for each process:");

for (int i = 0; i < n; i++)

{

System.out.print("Process " + i + ": ");

burstTime[i] = sc.nextInt();

}

waitingTime[0] = 0;

for (int i = 1; i < n; i++)

{

waitingTime[i] = burstTime[i - 1] + waitingTime[i - 1];

}

for (int i = 0; i < n; i++)

{

turnaroundTime[i] = burstTime[i] + waitingTime[i];

}

System.out.println("\nProcess\tBurst Time\tWaiting Time\tTurnaround Time");

for (int i = 0; i < n; i++)

{

System.out.println(i + "\t\t" + burstTime[i] + "\t\t" + waitingTime[i] + "\t\t" + turnaroundTime[i]);

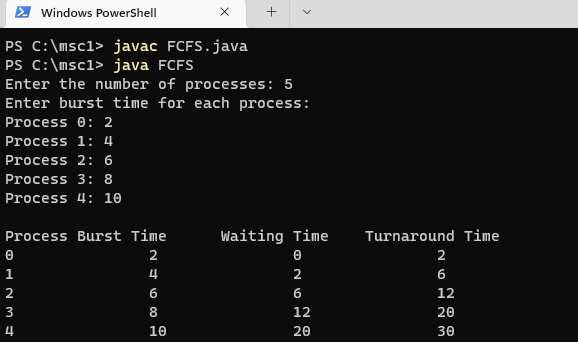
}

sc.close();

}

}

**OUTPUT:**

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