**Round Robin:**

import java.util.Scanner;

public class RR {

public static void main(String args[]) {

int n, i, qt, count = 0, temp, sq = 0, bt[], wt[], tat[], rem\_bt[];

float awt = 0, atat = 0;

Scanner s = new Scanner(System.in);

System.out.println("Enter the number of the process: \n");

n = s.nextInt();

bt = new int[n];

wt = new int[n];

tat = new int[n];

rem\_bt = new int[n];

System.out.println("Enter the burst time of the process: \n");

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

System.out.println("p" + i + " = ");

bt[i] = s.nextInt();

rem\_bt[i] = bt[i];

}

System.out.println("Enter the Quantum time: ");

qt = s.nextInt();

while (true) {

for (i = 0, count = 0; i < n; i++) {

temp = qt;

if (rem\_bt[i] == 0) {

count++;

continue;

}

if (rem\_bt[i] > qt)

rem\_bt[i] = rem\_bt[i] - qt;

else if (rem\_bt[i] >= 0) {

temp = rem\_bt[i];

rem\_bt[i] = 0;

}

sq = sq + temp;

tat[i] = sq;

}

if (n == count)

break;

System.out.println("--------------------------------------------------------------------");

System.out.println("\n Process\t Burst Time\t Turnaround Time\t Waiting Time\n ");

System.out.println("--------------------------------------------------------------------");

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

wt[i] = tat[i] - bt[i];

awt = awt + wt[i];

atat = atat + tat[i];

System.out.println("\n " + (i + 1) + "\t\t" + bt[i] + "\t\t\t" + tat[i] + "\t\t\t\t" + wt[i] + "\n");

}

awt = awt / n;

atat = atat / n;

System.out.println("\n Average waiting Time = " + awt + "\n");

System.out.println("Average turnaround time = " + atat);

}

}

}

**Output:**

Enter the number of the process:

4

Enter the burst time of the process:

p0 =

2

p1 =

3

p2 =

5

p3 =

6

Enter the Quantum time:

6

--------------------------------------------------------------------

Process Burst Time Turnaround Time Waiting Time

--------------------------------------------------------------------

1 2 2 0

2 3 5 2

3 5 10 5

4 6 16 10

Average waiting Time = 4.25

Average turnaround time = 8.25