

AIM Round Robin

```
import java.util.Scanner;

public class Roundfinal1 {

    public static void main(String args[]) {

        Scanner s = new Scanner(System.in);

        int wtime[], btime[], rtime[], num, quantum, total;

        wtime = new int[10];

        btime = new int[10];

        rtime = new int[10];

        System.out.print("Enter number of processes(MAX 10): ");

        num = s.nextInt();

        System.out.print("Enter burst time");

        for(int i=0; i<num; i++) { System.out.print("\nP["+(i+1)+"]: ");

            btime[i] = s.nextInt(); rtime[i] = btime[i]; wtime[i]=0; }

        System.out.print("\n\nEnter quantum: "); quantum = s.nextInt();

        int rp = num; int i=0; int time=0; System.out.print("0");

        wtime[0]=0; while(rp!=0) { if(rtime[i]>quantum)

        {

            rtime[i]=rtime[i]-quantum;

            System.out.print(" | P["+(i+1)+"] | ");

            time+=quantum;

            System.out.print(time);

        }

        else if(rtime[i]<=quantum && rtime[i]>0)

        {time+=rtime[i];

            rtime[i]=rtime[i]-rtime[i];

            System.out.print(" | P["+(i+1)+"] | ");

            rp--;

            System.out.print(time);
```

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}i++;
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if(i==num)
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{
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```
i=0;
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```
}
```

```
}
```

```
}
```

```
}
```