

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);

        }

    }

}
```

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