

```

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);
        }
    }
}

```

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