

```
import java.util.*;

public class roundrobin
{
    public static void main(String args[])
    {
        Scanner in=new Scanner(System.in);

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

        int num=in.nextInt();

        int B[]=new int[num];

        for(int i=0;i<num;i++)
        {
            System.out.println("Enter the burst time for p"+(i+1));

            B[i]=in.nextInt();
        }

        System.out.println("enter the quantum number:");

        int q=in.nextInt();

        int wait[]=new int[num];

        int total=0;

        do
        {
            for(int i=0;i<num;i++)
            {
                if(B[i]>q)
                {
                    for(int j=0;j<num;j++)
                    {
```

```
        if(j!=i && B[j]!=0)
        {
            wait[j]+=q;
        }
    }
    B[i]-=q;
}
else
{
    for(int j=0;j<num;j++)
    {
        if(j!=i && B[j]!=0)
        {
            wait[j]+=B[i];
        }
    }
    B[i]=0;
}
}
total=0;
for(int i=0;i<num;i++)
{
    total+=B[i];
}
}
while(total!=0);
```

```
System.out.println("process\t\t\twaiting time");

float total_wait=0;

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

{

    System.out.println("p"+(i+1)+"\t\t\t"+wait[i]);

    total_wait+=wait[i];

}

System.out.println("Average waiting time is :"+(total_wait/num));

}

}
```