import **java**.**util**.**Scanner**;

class **LoadBalancer**

{

static void **printLoad**(int servers, int Processes)

{

int each=Processes/servers;

int extra=Processes%servers;

int total=0;

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

{

if(extra-->0) total=each+1;

else total=each;

**System**.out.**println**("Server "+(char)('A'+i)+" has "+total+" Processes");

}

}

public static void **main**(**String**[] args)

{

**Scanner** sc=new **Scanner**(**System**.in);

**System**.out.**println**("Enter the number of servers and processes: ");

int servers=sc.**nextInt**();

int Processes=sc.**nextInt**();

while(true)

{

**printLoad**(servers, Processes);

**System**.out.**print**("\n 1.Add Servers 2.Remove Servers 3.Add Processes 4.Remove Processes 5.Exit: ");

switch(sc.**nextInt**())

{

case 1:

**System**.out.**print**("How many more servers?: ");

servers+=sc.**nextInt**();

break;

case 2:

**System**.out.**print**("How many servers to remove?: ");

servers-=sc.**nextInt**();

break;

case 3:

**System**.out.**print**("How many more Processes?: ");

Processes+=sc.**nextInt**();

break;

case 4:

**System**.out.**print**("How many Processes to remove?: ");

Processes-=sc.**nextInt**();

break;

case 5:

return;

}

}

}

}

