**Instruction:**

1. **Just make an algorithm not copying the example below. You must explain properly how the algorithm is done please.**

**TASK 2**

**From Workbook 1a:**

**Exercise 4: Design an algorithm to convert a number of seconds to a time of day.**

**Specification: This is the reverse of Exercise 3.**

**Get a number of seconds after midnight and convert it to time of day.**

**Examples:**

**Seconds 24 hour time of day**

1. **0:0:1**

**150 0:2:30**

**47895 13:5:15**

**Hint: When you use division you can specify to:**

**get the whole number result**

**and get the remainder**

**e.g. If you divide 11 by 4**

**“the whole number result” = 2**

**“the remainder” = 3**

***Write out your design here***

int fsec,d,h,m,s,temp=0,i;

fsec=150;

**//For Hours**

if(fsec>=3600){

temp=fsec/3600;

h=temp;

for(i=1;i<=temp;i++)

{

fsec-=3600;

}

}//end of if

else{

h=0

}

**//For Minutes**

if(fsec>=60){

temp=fsec/60;

m=temp;

for(i=1;i<=temp;i++)

{

fsec-=60;

}

}//end of if

else{

m=0;

}

**//For Seconds**

if(fsec>=1){

s=fsec;

}//end of if

else{

s=0;

}

System.out.println("Hours:"+h+" Minutes:"+m+" Seconds:"+s);