**MAB Lab 1**

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***BSCS(7A)***

**Task 1:**

**package** myproject;

**public** **class** MyClass {

**public** **static** **int** max(**int**[] ary)

{

**int** temp;

**int** i=0;

**for**(**int** j=1;j<5;j++)

{

**if**(ary[i]<ary[j]) {

temp=ary[i];

ary[i]=ary[j];

ary[j]=temp;

}

}

**return** ary[i];

}

**public** **static** **int** min(**int**[] ary)

{

**int** temp;

**int** i=0;

**for**(**int** j=1;j<5;j++)

{

**if**(ary[i]>ary[j]) {

temp=ary[i];

ary[i]=ary[j];

ary[j]=temp;

}

}

**return** ary[i];

}

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

**int**[] elements = {2,1,4,3,5};

System.***out***.println("Maximum Value is: "+ *min*(elements));

System.***out***.println("Maximum Value is: "+ *max*(elements));

}

}

Chart

Description automatically generated

**Task 2:**

**public** **static** **int**[] sort(**int**[] ary) {

**int** temp;

**for**(**int** i=0;i<ary.length;i++)

{

**for**(**int** j=i+1;j<ary.length;j++) {

**if**(ary[i]>ary[j])

{

temp=ary[i];

ary[i]=ary[j];

ary[j]=temp;

}

}

}

**return** ary;

}

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

**int**[] myAry= {3,1,5,0,2,4};

*sort*(myAry);

**for**(**int** i : myAry) {

System.***out***.println(i);

}

}

Graphical user interface, text, application

Description automatically generated with medium confidence

**Task 3:**

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

**int** a=5, b=10;

**int** temp;

temp=a;

a=b;

b=temp;

System.***out***.println("a = "+ a);

System.***out***.println("b = "+ b);

}

Text

Description automatically generated