(1) 10

```
class Tiger extends Animal
  implements SecondInterface{

public void myMethod_1(){
   Sout("myMethod-1");
 }
```

- Similarly for the rest, myMethod_2, myMethod_3, myOtherMethod_1, myOtherMethod_2, myOtherMethod_3, animalSound, animalEat, animalJump, animalSpeed, myMethod, myOtherMethod

(2a)

1. `Arraylist<Student> arr = new Arraylist<>();` 1

2. `arr.add(new Student(101, "Hasibul Islam", 3.75));`
   Same for 5 more students 2

3. `Student temp = arr.get(0);`
   `arr.set(0, arr.get(1));` 2
   `arr.set(1, temp);`

(2b) 5

a
a
b
b
b

(5) 10

```
public void actionPerformed
   (ActionEvent e) {
 int a= new Random().nextInt(3);
 if(a==0) f.setBackground(Color.green);
else if(a==1) f.setBackground(Color.red);
   else f.setBackground(Color.yellow);
}
```

(3) 10

```
try{
 File input = new File("src/myInputText.txt");
 Scanner sc = new Scanner(input);
double sum = 0, count = 0;
 while(sc.hasNextInt()){
    sum += sc.NextInt();
     count++; }
FileOutputStream fos = new FileOutputStream
                       ("src/myOutputText.txt");
 String s = (sum/count) + "";
    fos.write(s.getBytes());
 fos.close();   sc.close();
}
catch(Exception e) {}
```

(4) 10

```
class T extends Thread{
   Arraylist<Integer> arr;
    int sum;
  T(Arraylist<Integer> arr){
      this.arr = arr;
       sum = 0; }
 public void run() {
   for(int i=0; i<arr.size(); i++)
       sum += arr.get(i);
   }
}
class Main{
  psvm() {
   Arraylist<Integer> arr1 = new Arraylist<>();
     ''      ''     arr2 = ''      ''
  for(int i=1; i<=50; i++){
   if(i%2==0) arr2.add(i);
   else arr1.add(i); }
  T t1 = new T(arr1);
  T t2 = new T(arr2);
     t1.start();
     t2.start();
 try{
    t1.join();
    t2.join();
 } catch(Exception e){}
 Sout(t1.sum - t2.sum);
```