1. What is the Output:

```
class A{
   static int x;
   void m() {
         x++;
         System.out.println(x);
   }
   static void setX(int a) {
         x=a;
   }
}
class Test{
   public static void main(String[] args) {
         A a= new A();
         System.out.println(a.x);
         a.m();
         A.setX(15);
         a.m();
   }
}
```

2. What is the Output:

```
class Demo{
   int x=1;
   static int y=20;
   void show() {
         System.out.println(x);
         System.out.println(y);
   }
}
class Test{
   public static void main(String[] args) {
         Demo d1= new Demo();
         Demo d2= new Demo();
         Demo d3= new Demo();
         d1.x=20; d1.y=30;
         d2.x=40; d2.y=50;
         d3.x=60; d3.y=70;
         d1.show();
         d2.show();
         d3.show();
   }
}
```

3. What is the Output:

```
class A{
   static int x;
   static void m() {
         x++;
   }
   static void show() {
         System.out.println(x);
   }
}
class Test{
   public static void main(String[] args) {
         System.out.println(A.x);
         A.m();
         A.m();
         A.show();
   }
}
```

4. What is the Output:

```
class A{
   static int x;
   int y;
   void m(int a) {
         y=a;
   }
   public static void main(String[] args) {
         System.out.println(A.x);
         A a= new A();
         a.m(4);
         a.x=3;
         System.out.println(A.x);
         System.out.println(a.y);
         System.out.println(a.x);
   }
}
```