

GATE TECHNICAL TRAINING – DSA CODING PRACTICE PROBLEMS 2026

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6.

```
abstract class A {  
    void m1();  
}
```

OUTPUT:

```
ERROR!  
/tmp/2IPkYxIuBt/Main.java:2: error: missing method body, or declare  
    abstract  
    void m1();  
        ^  
1 error
```

7.

```
public class Main {  
    abstract void m1();  
}
```

OUTPUT:

```
ERROR!  
/tmp/zvgSdaFx0q/Main.java:1: error: Main is not abstract and does not  
    override abstract method m1() in Main  
public class Main {  
    ^  
1 error
```

8.

```
abstract public class Main {  
    abstract void makeSound();  
    public static void main(String[] args) {  
    }
```

```
}
```

OUTPUT:

```
//HERE NO OUTPUT IS PRINTED
```

OR

```
abstract public class Main {  
    abstract void makeSound();
```

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

```
        Main myDog = new Main() {
```

```
            void makeSound() {
```

```
                System.out.println("Bark");
```

```
            }
```

```
        };
```

```
        myDog.makeSound(); // Output: Bark
```

```
    }
```

```
}
```

OUTPUT:

```
Bark
```

9.

```
public abstract class Main {
```

```
    abstract void m1();
```

```
    Main(){}  
    void m2(){}  
    public static void main(String[] args) {
```

```
}  
}
```

OUTPUT:

//HERE NO OUTPUT IS PRINTED

10.

```
public abstract class Main {  
    abstract int x = 100;  
    abstract void m1();  
    abstract void m2();  
  
    // public static void main(String[] args) {  
    // }  
}
```

ERROR!

```
/tmp/mFVzTsvGLP/Main.java:2: error: modifier abstract not allowed here  
    abstract int x = 100;  
        ^
```

1 error

11.

```
public abstract class A{  
    abstract void m1();  
}  
  
public class Main{  
    public static void main(String[] args){  
        Main a = new Main();  
    }  
}
```

OUTPUT:

ERROR!

/tmp/aXWU8Rz009/Main.java:1: error: class A is public, should be declared in a file named A.java

```
public abstract class A{
                        ^
```

1 error

12.

```
public abstract class Main{
    abstract void m1();

    Main(){
    }

    static void m2(){
        System.out.println("Hello Java!");
    }

    public static void main(String args[]){}
}
```

```
public class B extends Main{
    void m1(){
        Main.m2();
    }
}
```

OUTPUT:

ERROR!

/tmp/8lsgFbYvtx/Main.java:11: error: class B is public, should be declared in a file named B.java

```
public class B extends Main{
                        ^
```

1 error

13.

```
public abstract class Main{  
    abstract void m1();  
    private Main(){}  
}  
  
public class B extends Main{
```

OUTPUT:

ERROR!

```
/tmp/NNfktiSwN9/Main.java:5: error: class B is public, should be  
    declared in a file named B.java
```

```
public class B extends Main{  
    ^
```

1 error