**Java compiler Expectations**

1)HLL to Bytecode

2)Syntax mistake

**Java reserve words**

public

void

main

static

class

System

Out

Println

1)

I/p

public class Car

{

static public void main(String[] args)

{

System.out.println("new car");

}

}

O/p

**Executed successfully**

2)

public class Car

{

void static public main(String[] args)

{

System.out.println("new car");

}

}

**Error o/p**

RINMAC2273:javayt rm.komala$ javac Car.java

Car.java:3: error: <identifier> expected

void static public main(String[] args)

^

Car.java:3: error: '(' expected

void static public main(String[] args)

^

Car.java:3: error: invalid method declaration; return type required

void static public main(String[] args)

^

3 errors

3)

public class Car

{

static public main void (String[] args)

{

System.out.println("new car");

}

}

Error o/p

RINMAC2273:javayt rm.komala$ javac Car.java

Car.java:3: error: <identifier> expected

static public main void (String[] args)

^

Car.java:3: error: <identifier> expected

static public main void (String[] args)

^

2 errors

RINMAC2273:javayt rm.komala$

4)

public class Car

{

public static void main (String[] master)

{

System.out.println("new car");

}

}

O/p

RINMAC2273:javayt rm.komala$ nano Car.java

RINMAC2273:javayt rm.komala$ javac Car.java

5)

public class Car

{

public static void main (String[] master)

{

System.out.println("new car");

}

class Tree

{

}

class Bus

{

}

class Airplane

{

}

class mic

{

}

class left

{

}

}

Class file

RINMAC2273:javayt rm.komala$ nano Bus.java

RINMAC2273:javayt rm.komala$ ls

Bus.java Car$left.class Welcome.class

Car$Airplane.class Car$mic.class Welcome.java

Car$Bus.class Car.class

Car$Tree.class Car.java

O/p

RINMAC2273:javayt rm.komala$ javac Car.java

RINMAC2273:javayt rm.komala$ java Car

new car

RINMAC2273:javayt rm.komala$

6)

public class Bus

{

public static void main (String[] master)

{

System.out.println("new Bus");

}

}

O/p

RINMAC2273:javayt rm.komala$ nano Bus.java

RINMAC2273:javayt rm.komala$ javac Bus.java

RINMAC2273:javayt rm.komala$ java Bus

new Bus

RINMAC2273:javayt rm.komala$

**File name wrong**

RINMAC2273:javayt rm.komala$ java bus

Error: Could not find or load main class bus

Caused by: java.lang.NoClassDefFoundError: Bus (wrong name: bus)

7)

I/p

public class Tree

{

public static void main (String[] master)

{

System.out.println("Mango Tree");

}

}

RINMAC2273:javayt rm.komala$ nano Bus.java

RINMAC2273:javayt rm.komala$ nano Tree.java

RINMAC2273:javayt rm.komala$ javac Tree.java

RINMAC2273:javayt rm.komala$ ls

Bus.class Car$left.class Tree.java

Bus.java Car$mic.class Welcome.class

Car$Airplane.class Car.class Welcome.java

Car$Bus.class Car.java

Car$Tree.class Tree.class

O/p

RINMAC2273:javayt rm.komala$ java Tree

Mango Tree

RINMAC2273:javayt rm.komala$

8)

I/p

public class Airplane

{

public static void main (String[] master)

{

System.out.println("test airplane");

}

}

RINMAC2273:javayt rm.komala$ nano Airplane.java

RINMAC2273:javayt rm.komala$ javac Airplane.java

RINMAC2273:javayt rm.komala$ ls

Airplane.class Car$Bus.class Car.java

Airplane.java Car$Tree.class Tree.class

Bus.class Car$left.class Tree.java

Bus.java Car$mic.class Welcome.class

Car$Airplane.class Car.class Welcome.java

RINMAC2273:javayt rm.komala$

O/p

RINMAC2273:javayt rm.komala$ nano Airplane.java

RINMAC2273:javayt rm.komala$ java Airplane

test airplane

RINMAC2273:javayt rm.komala$

9)

I/p

Public class Airplane

{

Public static void main (String[] master)

{

System.out.println("test airplane");

}

}

10)

I/p

public class Airplane

{

public static void main (Master String[])

{

System.out.println("test airplane");

}

}

o/p

RINMAC2273:javayt rm.komala$ nano Airplane.java

RINMAC2273:javayt rm.komala$ javac Airplane.java

Airplane.java:3: error: cannot find symbol

public static void main (Master String[])

^

symbol: class Master

location: class Airplane

1 error

RINMAC2273:javayt rm.komala$