Day 2

Software installations and pre-requisites

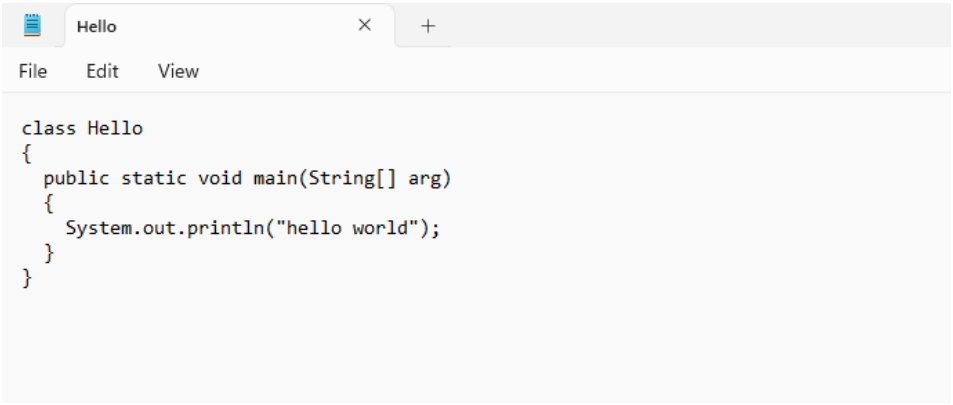
These essential concepts listed below will be covered in this class.

- Installing JAVA DEVELOPMENT KIT – JDK.
- Setting path.
- Composing first program.
- How to compile first java program.
- How to run first java program.

How to download the jdk:-

1. Installation of jdk 1.8
2. www.oracle.com
3. click jdk download
4. click jdk for windows

Composing first java program:-



Class name should write in capital letters. Example: Hello

Public static void main (String [] arg):- this is main method in java; every java program starts run in this method.

How to save the file:-

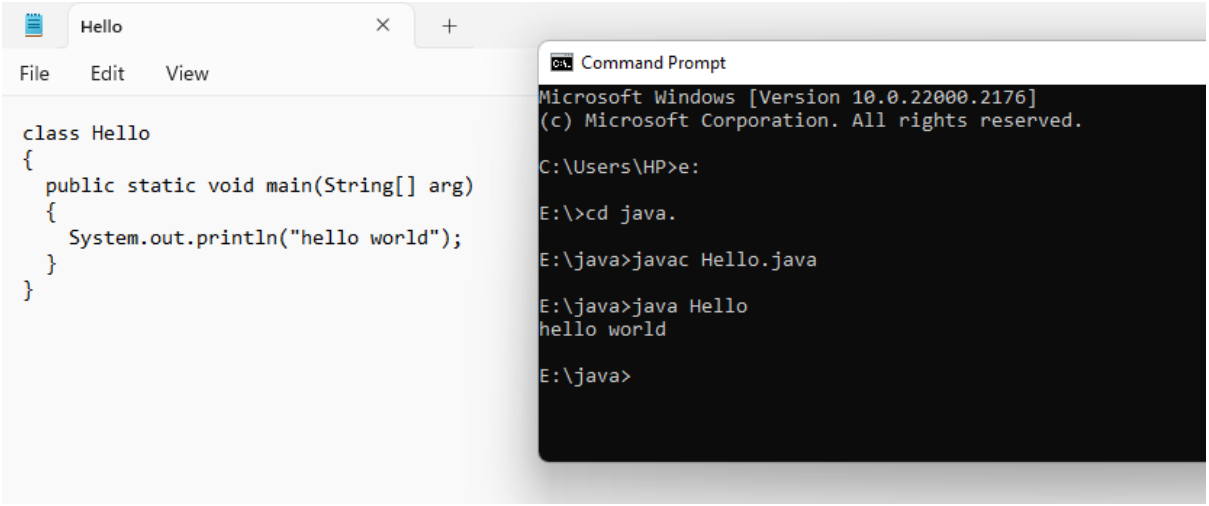
The file should be saved in this format i,e class name.java Example :Hello.java

Compile the program:-

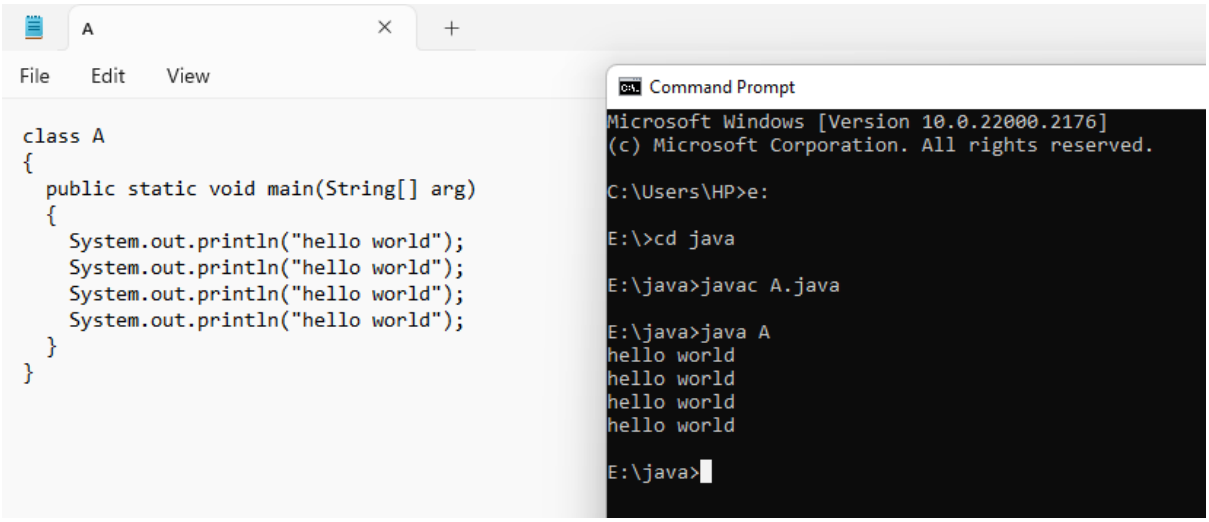
In java programing we compile the program using the word javac.

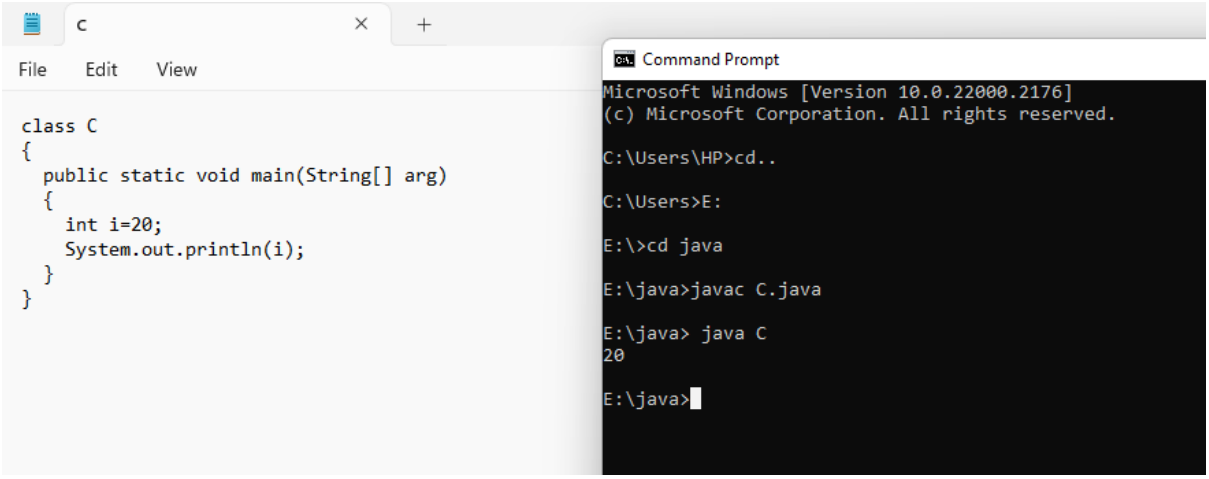
Javac Hello.java.

After compiletion we run the java program i,e java Hello.



Some of the programming examples:-





D

File Edit View

```
class D
{
  public static void main(String[] arg)
  {
    int i=20;
    int j=i;
    System.out.println(i);
  }
}
```

Command Prompt

```
Microsoft Windows [Version 10.0.22000.2176]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>E:

E:\>cd java

E:\java>javac D.java

E:\java> java D
20

E:\java>
```

F

File Edit View

```
class F
{
  public static void main(String[] arg)
  {
    int i=0;
    int j=i++ +i + i++ +i;
    System.out.println(i);
    System.out.println(j);

  }
}
```

Command Prompt

```
C:\Users>cd..

C:\>e:

E:\>cd java

E:\java>javac F.java

E:\java>java F
2
4

E:\java>
```

M

File Edit View

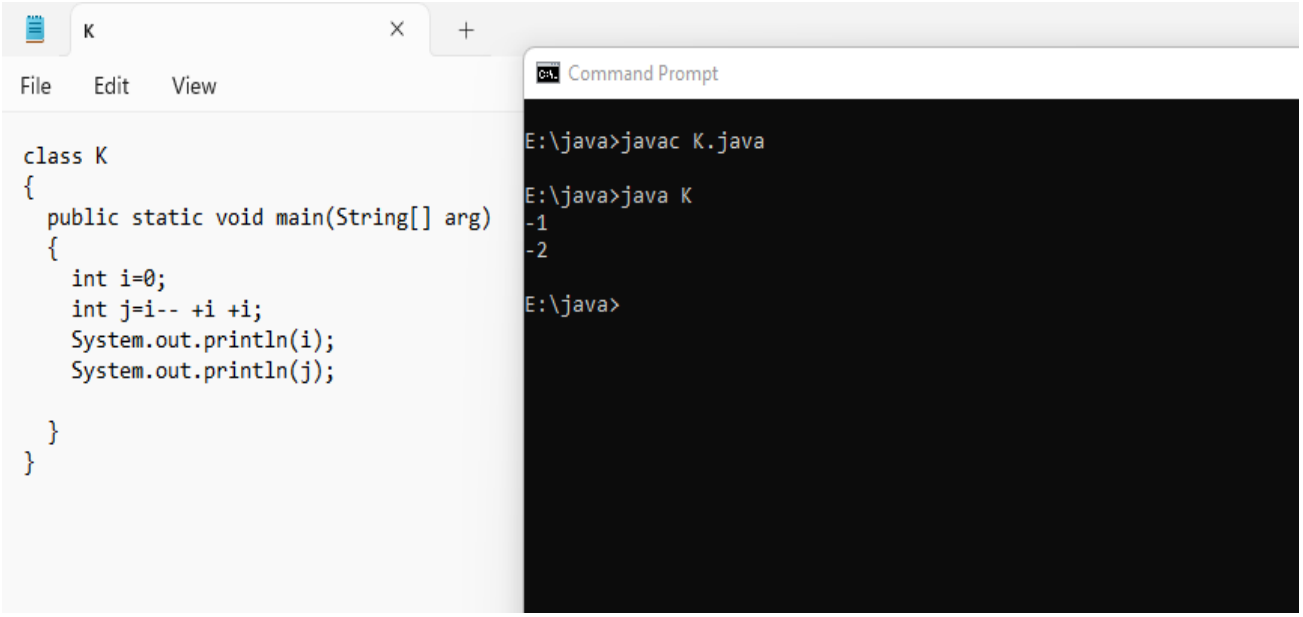
```
class M
{
  public static void main(String[] arg)
  {
    int i=0;
    double j=40.1;
    boolean k=true;
    System.out.println(i);
    System.out.println(j);
    System.out.println(k);
  }
}
```

Command Prompt

```
E:\java>javac M.java

E:\java>java M
0
40.1
true

E:\java>
```


K
File
Edit
View
class K
{
public static void main(String[] arg)
{
int i=0;
int j=i-- +i +i;
System.out.println(i);
System.out.println(j);
}
}
Command Prompt
E:\java>javac K.java
E:\java>java K
-1
-2
E:\java>