Ex No.10	DEVELOPING JAVA PROGRAM FROM SANDBOX ENVIRONMENT

Aim:
   To explore the features provided by Eclipse with Redhat cloud account and develop the java program for pattern creation.

Concept:
   Eclipse Che hosted by Red Hat is an open source product based on Eclipse Che that is running on OpenShift Dedicated. The new service is part of the Developer Sandbox for Red Hat OpenShift offering, and is using CodeReady Workspaces, which is built upon Eclipse Che and is optimized for Red Hat OpenShift and Red Hat Linux.
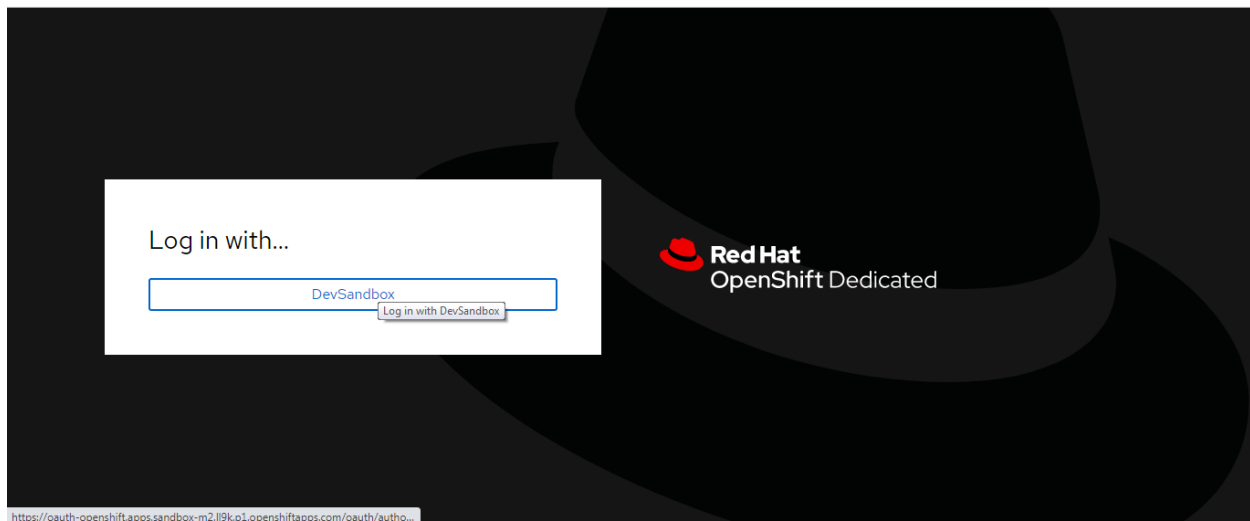
Process/Procedure:
1.   Start https://www.eclipse.org/che/getting-started/cloud/
2.   Try eclipse che online in cloud platform
3.   Click any programming language icon.
4.   Create an account in redhat sandbox
5.   Launch our developer sandbox
6.   Create and run the Java Program.
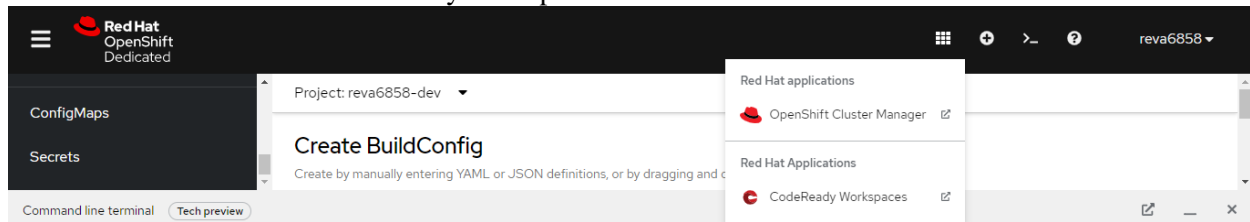
Experiment
Step 1: Go to the link https://www.eclipse.org/che/getting-started/cloud/
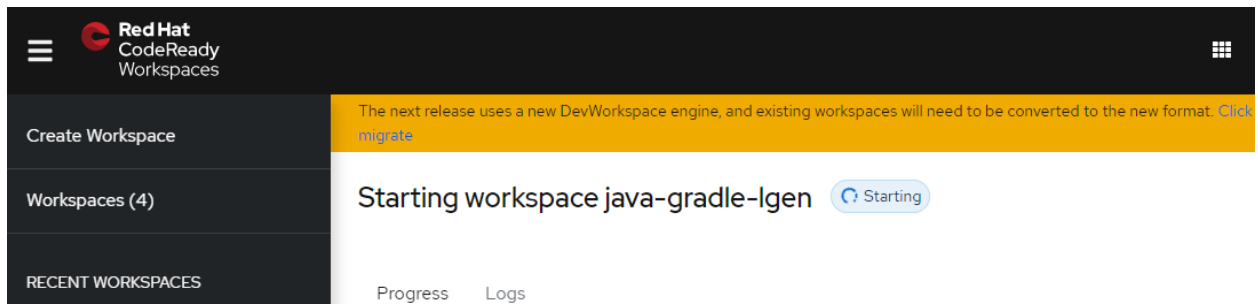**Step 2:** Select any programming language.
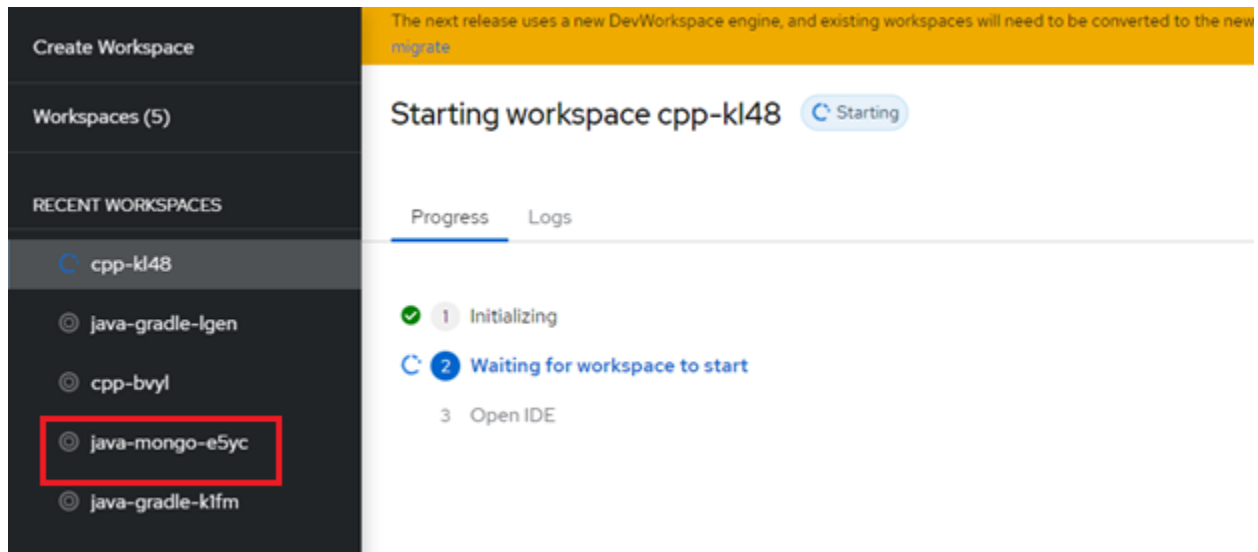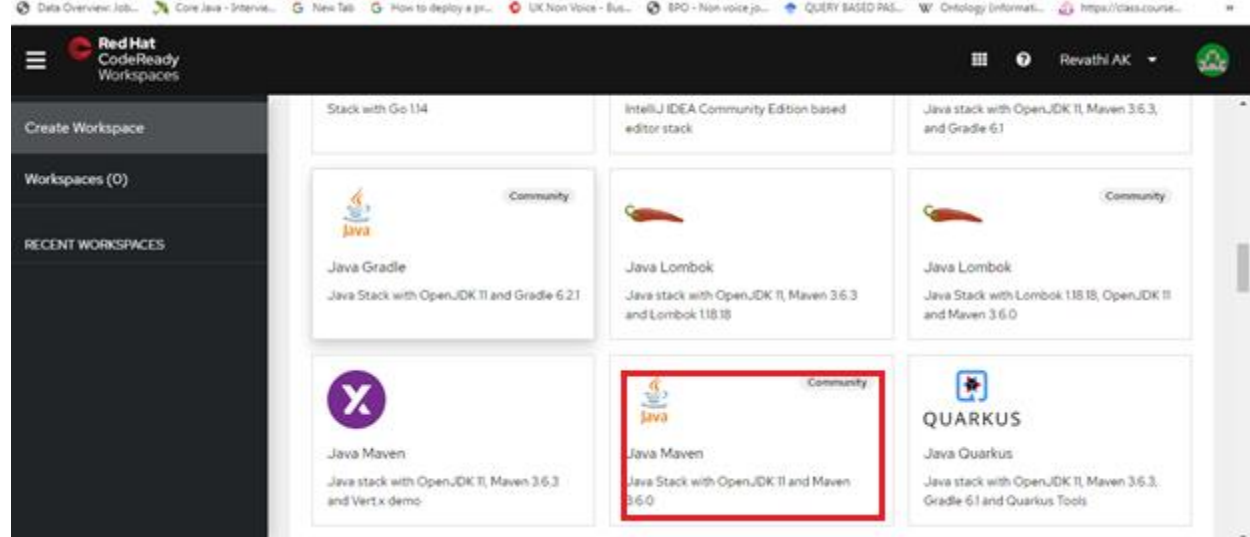**Step 3:** Click the DevSandbox

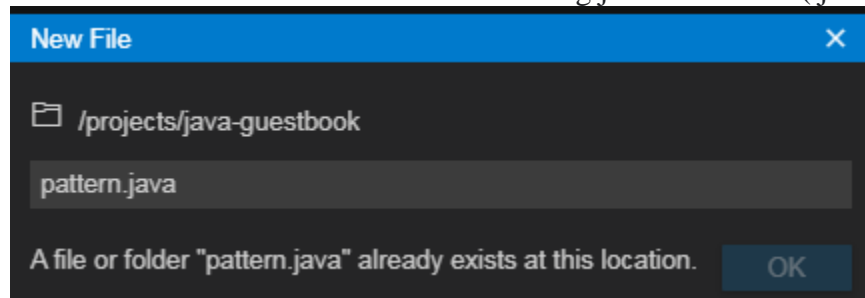**Step 4:** Click the ⠿ menu and select codeready workspaces

Step 5: Click create workspace in the left side menu

Step 6: Select the Java language

Step 7: Go to File menu → select new → Name the file name using java classname (.java)

New File ×

/projects/java-guestbook

pattern.java

A file or folder "pattern.java" already exists at this location.   OK
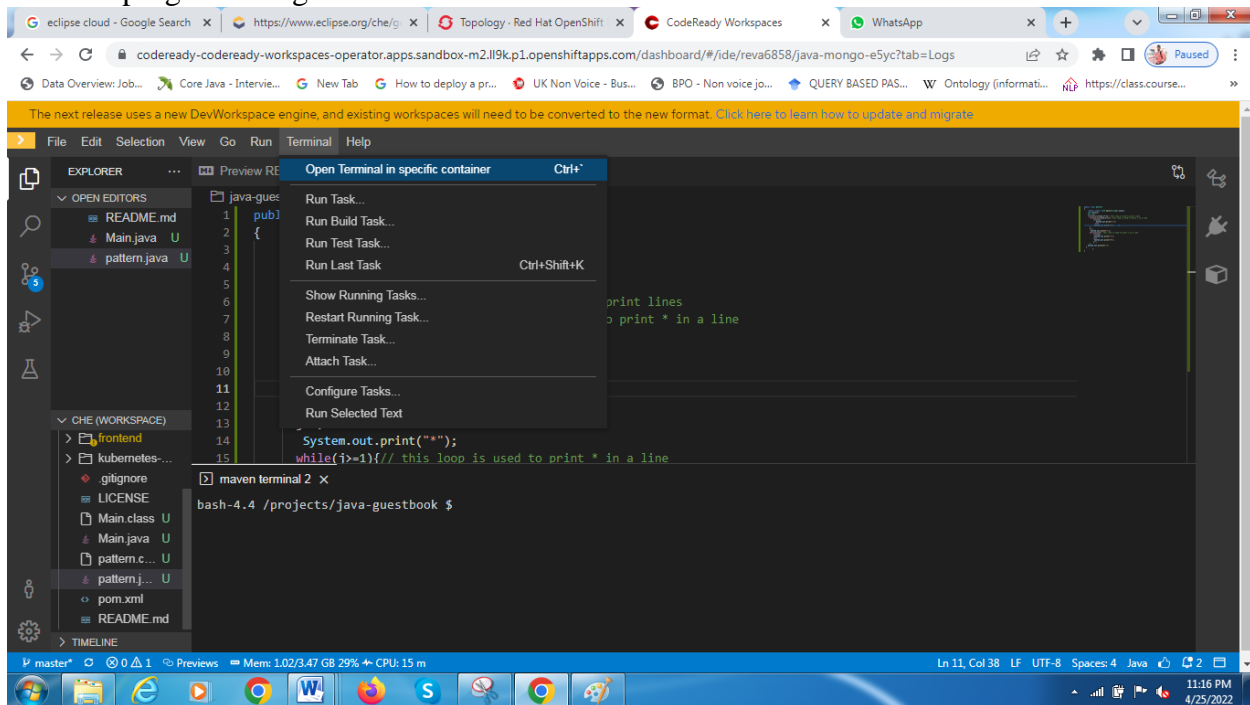
Step 8: Type the pattern creation java program

```
public class pattern
{
    public static void main(String[] args){
    int lines=4;
    int i,j;
    for(i=1;i<=lines;i++){// this loop is used to print lines
      for(j=1;j<=lines;j++){// this loop is used to print * in a line
        if(i==j)
          System.out.print("*");
         else
          System.out.print("0");
      }
      j--;
       System.out.print("*");
      while(j>=1){// this loop is used to print * in a line
        if(i==j)
          System.out.print("*");
        else
          System.out.print("0");
        j--;
      }
     System.out.println("");
    }
    }
}
```

Step 9: Run the program using terminal

Step 10: Select the mango developer

Step 11: Type the compile command "javac filename.java"


```
bash-4.4 /projects/java-guestbook $ javac pattern.java
bash-4.4 /projects/java-guestbook $ java pattern
```

Step 12: Run the program using "java filename"

OUTPUT:

```
bash-4.4 /projects/java-guestbook $ java pattern
*000*000*
0*00*00*0
00*0*0*00
000***000
```

Results:

     Using the above steps services offered by Eclipse with Redhat cloud environment for developed and run the Java Program.