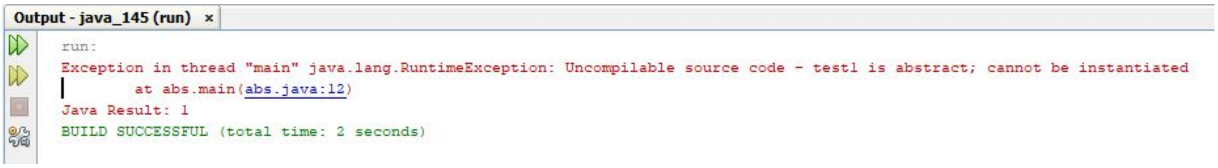
EXPERIMENT - 2

Q1) Write a program using parameterized and non-parameterized constructor.

Code

```
public class constr
{
public constr()
{
}
public constr(int z)
{
}
public static void main(String[] args)
{
        constr n1=new constr();
        Constr p1=new constr(20);
}
}
```



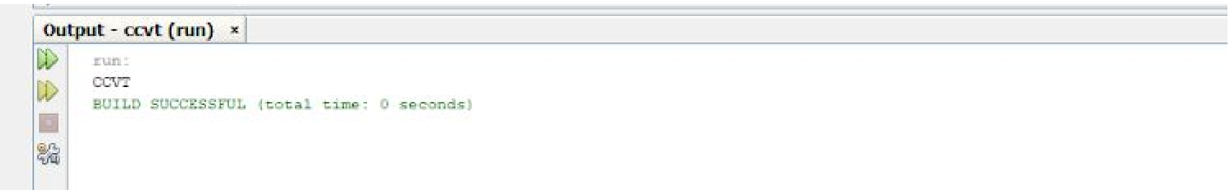
```
run:
Exception in thread "main" java.lang.RuntimeException: Uncompilable source code - testl is abstract; cannot be instantiated
        at abs.main(abs.java:12)
Java Result: 1
BUILD SUCCESSFUL (total time: 2 seconds)
```

Q2) Write a program to demonstrate super keyword in constructor of derived class.

Code

```
package upes3;
public class sup
  {
        sup()
        {
                System.out.println("CCVT");
        }
  public static void main(String [] args)
        {
                next a = new next();
        }
  }
  class next extends sup
```

```
{
        next()
        {
                super();
        }
}
```



```
run:
CCVT
BUILD SUCCESSFUL (total time: 0 seconds)
```

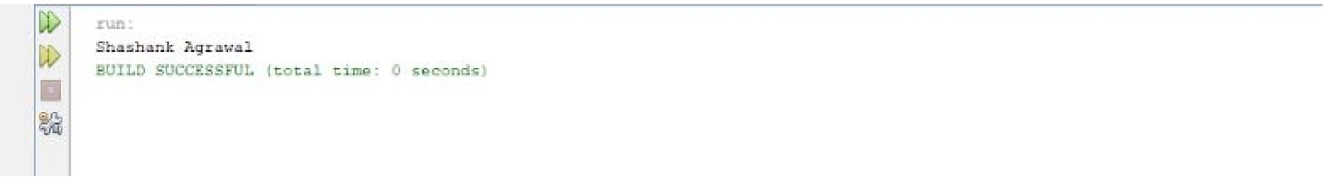
Q3) Write a program to demonstrate protected access modifier.

<u>Code</u>(pro.java)

```
package upes1;
public class pro{
        protected void last()
        {
                System.out.println(“Shashank Agrawal”);
        }
}
```

<u>Code</u>(test.java)

```
package upes2;
import upes1.pro;
public class test extends pro{
        public static void main(String [] args)
{
        test t1=new test();
        t1.last();
        }
}
```

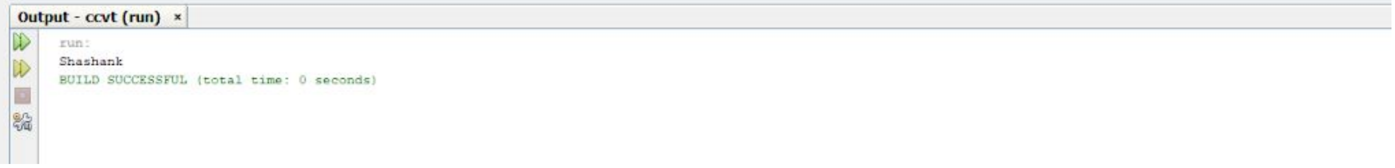


```
run:
Shashank Agrawal
BUILD SUCCESSFUL (total time: 0 seconds)
```

Q4) Write a program to demonstrate abstract class and inheritance.

Code

```
package upes3;
abstract class tt
        {
                void qwerty()
                {System.out.println("Shashank");} //normal method
        }
class Derived extends tt { }
public class abst
{       public static void main(String [] args)
        {
                tt a = new Derived();
                a.qwerty();
        }
}
```



```
run:
Shashank
BUILD SUCCESSFUL (total time: 0 seconds)
```