ADARSH ED
1NT20IS400
SUBJECT : HAD LAB
SEC : “C:

1.Write a Java Program to demonstrate Hierarchical Inheritance and document the code

Code :

//Parent Class: Cars.java

```
package my.sample;

public class Cars {

	String model;

		public void type() {
			System.out.println("Car is suzuki");
		}

	public static void main(String[] args)
	{
		Suzuki su=new Suzuki();
		su.model="baleno";
		System.out.println("model is "+su.model);
		su.type();
		su.Suzukiis();
		Honda ho=new Honda();
		ho.model="civic";
		System.out.println("model is "+ho.model);
		ho.type();
		ho.Hondais();
	}

}
```

//derived class : Suzuki.java

```
package my.sample;

public class Suzuki extends Cars{
	String model = "baleno";

	public void Suzukiis() {
```

```
            super.type();
            System.out.println("Suzuki model is "+model );
      }
      @Override
      public void type()
      {
            System.out.println("function override");
      }

}
```

//derived class:Honda.java

```
package my.sample;

public class Honda extends Cars{
      String model = "civic";

      public void Hondais()
      {
            System.out.println("Honda model is "+model);
      }
      public void type()
      {
            System.out.println("derived from cars");
      }

}
```

Output :

```
model is baleno
function override
Car is suzuki
Suzuki model is baleno
model is civic
derived from cars
Honda model is civic
```