**Practical 08**

**Aim 1. write a dart program to implement single inheritance**

class Bird{

void fly()

{

print("The bird can fly");

}

}

class Parrot extends Bird{

void speak(){

print("The parrot can speak");

}

}

void main(){

Parrot p=new Parrot();

p.speak();

p.fly();

}

**OUTPUT:**



**Aim 2. write a dart program to implement multilevel inheritance**

class Bird{

void fly()

{

print("The bird can fly");

}

}

class Parrot extends Bird{

void speak(){

print("The parrot can speak");

}

}

class Eagle extends Parrot{

void vision(){

print("The eagle has a very sharp vision");

}

}

void main(){

Eagle e=new Eagle();

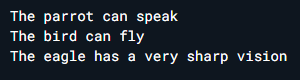
e.speak();

e.fly();

e.vision();

}

**OUTPUT:**



**Aim 3. write a dart program to implement hierarchical inheritance**

class Person{

void disName(String name)

{

print(name);

}

void disAge(int age){

print (age);

}

}

class Peter extends Person{

void disBranch(String nationality){

print(nationality);

}

}

class James extends Person{

void result(String result){

print(result);

}

}

void main(){

James j=new James();

j.disName("James");

j.disAge(24);

j.result("Passed");

Peter p=new Peter();

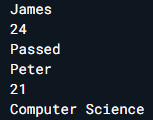
p.disName("Peter");

p.disAge(21);

p.disBranch("Computer Science");

}

**OUTPUT:**



**Aim 4. write a dart program to implement abstract method**

abstract class Person{

void disInfo();

}

class Boy extends Person{

void disInfo(){

print("my name is peter ");

}

}

class Girl extends Person{

void disInfo(){

print("My name is Shraddha");

}

}

void main(){

Boy b=new Boy();

Girl g=new Girl();

b.disInfo();

g.disInfo();

}

