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python



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9c5af4f · 17 minutes ago



118 lines (76 loc) · 2 KB

Preview

Code

Blame

Raw



```
class Animal:                                # Parent class
    def __init__(self, name):
        self.name = name

    def speak(self):
        print(f"{self.name} makes a sound")

class Dog(Animal):
    def speak(self):
        print(f"{self.name} barks")

a = Animal("wild animal")
a.speak()

d = Dog("Buddy")
d.speak()

class Bird:
    def fly(self):
        print("Bird flies")
class Bat(Animal,Bird):

    def sleep(self):
        print("Bat sleeps")
bat=Bat("Bat")
bat.speak()
bat.sleep()
bat.fly()

# In[44]:

#polymorphism
class Rectangle:
```

```

def __init__(self, length, breadth):
    self.length = length
    self.breadth = breadth

def area(self):
    return self.length * self.breadth
class Circle:
    def __init__(self, radius):
        self.radius = radius

    def area(self):
        return self.radius**2 * 3.14

def print_area(shape):
    print(f"Area: {shape.area()}")
# Create instances
rectangle = Rectangle(23, 78)
circle = Circle(89)

# Print areas
print_area(rectangle)
print_area(circle)

```

Write a program to create example.txt file by using write mode, append mode

```

f = open("example1211.txt", "x")
f.write("hello\n")
f.write("hello\n")
f.close()
f=open("example1221.txt","r")
content=f.read()
print(content)

f1=open("example1232.txt","w")
f1.write("this is pcu\n")
f1.write("pune\n")

f1.close()
f=open("example1242.txt","r")
content=f.read()
print(content)

```

```
f2=open("example1253.txt","a")
f2.write("pcet")
f2.write("world\n")
```

```
f2.close()
f=open("example1263.txt","r")
content=f.read()
print(content)
```

```
# In[76]:
```

```
# write a program to create list with string for line 1,string for line 2,s
```

```
l1 = ["String for line 1", "String for line 2", "String for line 3"]
```

```
f=open('list_example1211.txt', 'w')
for line in l1:
    file.write(line + '\n')
f= open('list_example1232.txt', 'r')
content = file.read()

print(content)
```