

Employee Management

Code : -

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class Employee:
    def __init__(self, name, age, salary, job_title):
        self.name = name      # created a instance.
        self.age = age
        self.salary = salary
        self.job_title = job_title

    # In this implementation, we have encapsulated the data about an individual employee.

    def get_name(self):
        return self.name

    def get_age(self):
        return self.age

    def get_salary(self):
        return self.salary

    def get_job_title(self):
        return self.job_title
    def emp(self):
        print(f"Employee Name:-{self.name}\tEmployee AGE:-{self.age}\tEmployee Salary:-{self.salary}\tJob
Type:-{self.job_title}")

    def set_salary(self, new_salary):
        self.salary = new_salary

class FullTimeEmployee(Employee):    # We have to inherit Employee into the FullTimeEmployee class.

    def __init__(self, name, age, salary, job_title):
        super().__init__(name, age, salary, job_title)

    def calculate_pay(self):
        print('fulltime employee salary is:-',self.salary)

class PartTimeEmployee(Employee):

    def __init__(self, name, age, hourly_rate, hours_worked, job_title):
        super().__init__(name, age, None, job_title)
        self.hourly_rate = hourly_rate
        self.hours_worked = hours_worked

    def get_hourly_rate(self):
        return self.hourly_rate

    def get_hours_worked(self):
        return self.hours_worked

    def set_hourly_rate(self, new_hourly_rate):
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self.hourly_rate = new_hourly_rate

def set_hours_worked(self, new_hours_worked):
    self.hours_worked = new_hours_worked
def emp(self):
    print(f"Employee Name:-{self.name}\tEmployee AGE:-{self.age}\tEmployee Salary:-{self.salary}\tJob
type:-{self.job_title}")

def calculate_pay(self):
    print('parttime employee daily rate is:-',self.hourly_rate *self. hours_worked)

E=FullTimeEmployee('ram',23,30000,'Fulltime')
E1=PartTimeEmployee('Sham',25,30,45,'parttime')
E.emp()
E.calculate_pay()
E1.emp()
E1.calculate_pay()

```

Output :-

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Employee Name:-ram      Employee AGE:-23      Employee Salary:-30000
Job Type:-Fulltime
fulltime employee salary is:- 30000
Employee Name:-Sham    Employee AGE:-25      Employee Salary:-None
Job type:- parttime
parttime employee daily rate is:- 1350

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