ES6 & TypeScript Assignments

1. **Promises:** Create 2 promises, one generates value of x & another generates value of you. Write a program to print sum of x & y. (Use Promise.all)

const p1=Promise.resolve(22);

const p2=Promise.resolve(23);

Promise.all([p1,p2]).then(values=>{

    console.log(values[0]+values[1]);

})

1. **TypeScript classes & types:**Write a class Account with attributes id, name, balance. Add two sub classes SavingAccount & CurrentAccount having specific attribute interest & cash\_credit respectively. Create multiple saving & current account objects. Write a functionality to find out total balance in the bank.

**///incomplete question**

class Account{

    id:string;

    name:string;

    balance:number;

    constructor(id:string,name:string,balance:number){

        this.id=id;

        this.name=name;

        this.balance=balance;

    }

}

class SavingsAcc extends Account{

     interest:number;

     constructor(id:string,name:string,balance:number,interest:number){

         super(id,name,balance);

         this.interest=interest;

     }

}

class CurrentAcc extends Account{

     cash\_credit:number;

     constructor(id:string,name:string,balance:number,cash\_credit:number){

         super(id,name,balance);

         this.cash\_credit=cash\_credit;

     }

}

let obj1=new SavingsAcc("A","sk",2000,10);

let obj2=new CurrentAcc("P","pk",1800,1000);

1. **TypeScript Interfaces:** Write an interface Printable. Create 2 objects circle & employee those implement Printable interface. Write a function printAll() that takes all objects as argument & invoke print() method on every object.

interface Printable {

   print:()=>string;

}

let circle : Printable={

    print:():string=>{

        return "Circle";

    }

}

let employee : Printable={

     print:():string=>{

        return "employee";

    }

}

function printall(a:Printable,b:Printable){

    for(let i of arguments){

        console.log(i.print());

    }

}

printall(circle,employee);