src\shorthandProperties.ts

```typescript
//?                      | Parent Class | Child Class | Outside Class |
//                       | ──────────── | ─────────── | ───────────── |
//?          Public      | ✅           | ✅          | ✅            |
//?          Protected   | ✅           | ✅          | ❌            |
//?          Private     | ✅           | ❌          | ❌            |

class Persons {
  constructor(
    public name: string,
    public age: number,
    protected hobbies: string[]
  ) {}

  introduceParent(): string {
    return `Hi, I'm ${this.name} and I'm ${
      this.age
    } years old. I love ${this.hobbies.join(",")}.`;
  }
}

class Students extends Persons {
  constructor(
    name: string,
    age: number,
    hobbies: string[],
    public grade: number
  ) {
    super(name, age, hobbies);
  }

  introduce(): string[] {
    // return ` ${super.introduce()} .I am in grade ${this.grade}`;
    return this.hobbies;
  }
}

const persons1: Persons = new Persons("vinod", 12, ["reading", "painting"]);

console.log(persons1.introduceParent());

const students1: Students = new Students(
  "bahadur",
  25,
  ["coding", "sports"],
  10
);

console.log(students1.introduce());
```