**Assignment 15**

1 What will print when the following code is executed?

let x = 5;

class T {

constructor() {

this.f1 = 1;

this.f2 = 2;

}

p() {

this.f1 = this.f1 + this.r() + x;

this.f1 = this.r();

return this.f1;

}

q() { return this.f1; }

r() { return this.q(); }

}

class S extends T {

p() { return super.p(); }

q() { return 3; }

}

class U extends S {

p() { return super.p(); }

q() { return this.f2 + x; }

r() { return this.q() + x; }

}

function main () {

let sT = new T(); let sS = new S(); let sU = new U();

console.log(sT.p()); // 7

console.log(sS.p()); // 3

console.log(sU.p()); // 12

console.log(sT.p()); // 19

console.log(sS.p()); //3

console.log(sU.p()); // 12

console.log(sT.q()); // 19

console.log(sS.q()); // 3

console.log(sU.q()); // 7

}

main();