GOLDILOCKS CHALLENGE

```
import math;
main() {
    println(“Goldilocks would like a cup of hot chocolate.”);
    println(“Please be sure that the temperature is just right,”);
    println(“or Goldie will reject it and ask for another cup.”);
    int rand = 0;
    do {
        println();
        rand = Math.random()*168+32;
        println(“The temperature is “+ rand);
        if (rand < 160)
            println(“TOO COLD! Please bring another cup.”);
        else if (rand > 180)
            println(“TOO HOT! Please bring another cup.”);
        else
            println(“Just Right! Thank you.”);
    } while (rand < 160 || rand > 180);
}
```

LUCKYNUMBERS

```
main() {
    int num1 = 0, num2 = 0;
    print(“Number 1: “);
    num1 = input(int);
    println();
    print(“Number 2: “);
    num2 = input(int);
    println(num1 + num2);
    println(num1 * num2);
    println((num1 * num2) - (num1 + num2));
    println(num1 / num2);
    println(((double) num1 / (double) num2) * 10);
}
```

Goal | Write a program that takes user input and stores your two lucky numbers in integer variables named num1 and num2

DOLLARSTODOLLARS

```
main() {
```

```
    double usd = 0.0;
    usd = input(double);
    println("$"+ usd + " = €"+ usd*0.85);
}
```

Goal | Write a program that converts from US dollars to Eurodollars

LOTTERY

```
main() {
    int i;
    for (i = 0; i < 6; i++)
        println((int) (Math.random()*50));
}
```

Goal | Create a program that will generate 6 random numbers from 0 to 50

RADIUS

```
import math;
main() {
    print("Enter the radius: ");
    double r = input(double);
    println("Radius of the circle: "+ r);
    println("Area of the circle: "+ r*r*Math.PI());
    println("Circumference of the circle: "+ 2*r*Math.PI());
}
```

Goal | Write a program that allows the user to input the radius of a circle and then calculate the area and the circumference of the circle

ADDRESS

```
main() {
    print("Store Name: ");
    String name = input(String);
    println();
    print("Street Address: ");
    String address = input(String);
    println();
    print("City: ");
    String city = input(String);
    println();
    print("State: ");
```

```
    String state = input(String);
    println();
    print(“Zip Code: “);
    int zip = input(int);

    println(name);
    println(address);
    println(city +”, USA ”+ zip);
}
```

Goal | Create a program that stores a contact name and address