--------------- QUESTION 1 ---------------
"GUESSING A NUMBER" GAME

Enter your guess as a number between 0 and 99: 12
Completely Wrong
The random number: 59

Would you like to try again, Y(yes) or N(no)? y

Enter your guess as a number between 0 and 99: 12
Not Bad, One Digit OK.
The random number: 22

Would you like to try again, Y(yes) or N(no)? y

Enter your guess as a number between 0 and 99: 12
Completely Wrong
The random number: 68

Would you like to try again, Y(yes) or N(no)? n

--------------- QUESTION 2 ---------------
SIMPLIFIED CRAPS DICE GAME
Your initial money in bank: $20
The roll was 6, your point is established
Starting rolling for the point
Roll 1 is 9
Roll 2 is 12
Roll 3 is 7
You lose!
Your bank account now: $18

Would you like to try again, Y(yes) or N(no)? y

The roll was 6, your point is established
Starting rolling for the point

Roll 1 is 7
You lose!
Your bank account now: $16

Would you like to try again, Y(yes) or N(no)? y

The roll was 6, your point is established
Starting rolling for the point
Roll 1 is 10
Roll 2 is 7
You lose!
Your bank account now: $14

Would you like to try again, Y(yes) or N(no)? y

The roll was 8, your point is established
Starting rolling for the point
Roll 1 is 9
Roll 2 is 10
Roll 3 is 6
Roll 4 is 4
Roll 5 is 11
Roll 6 is 10
Roll 7 is 8
You win!
Your bank account now: $16

Would you like to try again, Y(yes) or N(no)? n

CODE:

```python
import random

### Question 1
print("--------------- QUESTION 1 ---------------")
print(""""GUESSING A NUMBER" GAME""")

def main():
    tryAgain = 'y'
    while (tryAgain == 'y' or tryAgain == "Y"):
        secretNum = random.randint(0, 99)
        numGuess = guessNum()
        checkNum(numGuess, secretNum)
        print("The random number:", secretNum)
        tryAgain = input("Would you like to try again, Y(yes) or N(no)? ")

        print("-----------------------------------------")

def guessNum():
    num = int(input("Enter your guess as a number between 0 and 99: "))
    while(num<0 or num>99):
        num = int(input("Enter another number: "))
    return num

def checkNum(num, secret):
    if(num == secret):
        print("Great guess")
    elif(num%10*10+num//10 == secret):
        print("Right Digits, Wrong Order.")
    elif(num%10==secret%10 or num%10==secret//10 or num//10==secret%10 or num//10==secret//10):
        print("Not Bad, One Digit OK.")
    else:
        print("Completely Wrong")

main()




### Question 2
print("\n", "--------------- QUESTION 2 ---------------", sep="")
print("SIMPLIFIED CRAPS DICE GAME")

bank = 20
```

```python
def main():
    global bank
    done = 'y'
    print("Your initial money in bank: $", bank, sep = "")
    while(done == 'y' or done == 'Y'):
        bank = bank - 2 #pay to play (bet)
        if(bank<=0):
            print("You don't have enough money to play the game!")
            break
        result = playGame()
        bank = calculateBanking(result)
        print("Your bank account now: $", bank, sep = "")
        done = input("Would you like to try again, Y(yes) or N(no)? ")
        print("\n", "-----------------------------------------", "\n", sep="")

def playGame():
    dice1 = random.randint(1, 6)
    dice2 = random.randint(1, 6)
    diceSum = dice1 + dice2

    if(diceSum == 2 or diceSum == 3 or diceSum == 12):
        print("The roll was", diceSum)
        print("You lose!")
        return "lose"
    elif(diceSum == 7 or diceSum == 1):
        print("The roll was", diceSum)
        print("You win!")
        return "win"
    else:
        print("The roll was ", diceSum, ", your point is established", sep="")
        print("Starting rolling for the point")
        dice3 = random.randint(1, 6)
        dice4 = random.randint(1, 6)
        diceSum1 = dice3 + dice4
        numRoll = 1
        print("Roll", numRoll, "is", diceSum1)


        while(diceSum1 != 7 and diceSum1 != diceSum):
            numRoll = numRoll + 1
            dice3 = random.randint(1, 6)
            dice4 = random.randint(1, 6)
            diceSum1 = dice3 + dice4
            print("Roll", numRoll, "is", diceSum1)

        if(diceSum1 == 7):
```

```python
            print("You lose!")
            return "lose"
        else:
            print("You win!")
            return "win"

def calculateBanking(result):
    if(result == "win"):
        global bank
        bank = bank + 4
    return bank

main()
```