Franklin Harvey
CS 1300 - Assignment 1

#1

```
cp = 307357870 #Current US population
p1 = int(307357870) + int(60 * 525600 / 7) - int(60 * 525600 / 13) + int(60 *
525600 / 35)
print("The population will be " + str(p1))
```

#2

```
input("Enter a number between 1 and 10")
a = input
if(a > 10 || a < 1)
        input("Enter a valid number")
else
        print a
```

#3

```
Input("What is your car's MPG?")
a = input
if(a < 15)
        Print ("So bad, so very, very bad.")
If(15 > a > 29)
        Print("not bad, but okay")
If(a > 30)
        Print("Nice Job")
```

#4

```
Print("A: Fight The Dragon")
Print("B: Go Home")
Print("C: Save The Princess")
Input("What do you do?")
i = input
while i != b
{
If i == a
        Print("You saved the Princess!")
If I == c
        Print("You Win!")
}
Print("...wimp")
Terminate
```

#5

```
player1 = input("Enter player 1 name")
player2 = input("Enter player 2 name")
player1X = random
player1Y = random
player2X = random
player2Y = random
//Start assuming player one is it

while player1X not equal player2X or player1Y not equal player2Y
   print(player1 + "says marco")
   print(player2 + "says polo")
   if player1X < player2X
      player1X = player1X + 1
   if player1X > player2X
      player1X = player1X - 1
   if player1Y < player2Y
      player1Y = player1Y + 1
   if player1Y > player2Y
      player1Y = player1Y - 1
print("Round completed" + player2 "is it")
```