

# Homework 1

What is happening in the following code? Why is B = 1.0 after the while loop?

```
A = 9007199254740992.0
B = 1.0
while (((A+B)-A)-B)==0:
    print(B)
    B=B+1.0
print("A=",A , "log(A,2)", log(A,2))
print("B=",B)
```