1. Consider the following code. What sum does it generate?
n = int(input("Enter a positive integer:"))
$\mathrm{s}=0$
for $i$ in range $(0, n)$ :
$s=s+((-1) * * i) /(i+1)$
print(s)
2. for the following program, draw the flowchart corresponding to it a = int(input("Enter an integer:")) if a > 4: print("A") elif $a<-4$ : print("В")
else:
print("C")
print(a)
3. Given the flowchart, write the program.
get $p$, a decimal number between -1 and 1 get $n$, an integer number greater than 100 (from the user, from the keyboard)


Run the program you got on two inputs:

1) $p=0.5, n=200$

You should get 7.0710678118654755
2) $p=-0.9, n=400$

You should get 5.999999999999999

## Beautiful Dance Moves



