5. If you make a typing mistake when entering your program, what sort of error will result?

A compiler error   code will not compile (syntax error)

B runtime error   error at runtime, while the code is running. User interaction

C logical error   code runs, but does not give you the expected result.

D Error Jordan ✗

E I don't know

6. Which of the following variable names is invalid?

A myVar   is a valid variable name

B $VARIABLE   while this is a valid name, DO NOT EVER USE THIS!

C 限   chinese character, I have no way of knowing if this is correct

D 67count   variable names cannot start with a number ⟵
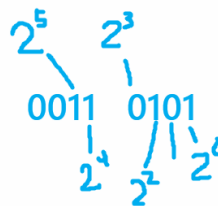
---

11. What is the base-10 representation of the binary number 00110101

IDK	👁
53	👁
53	👁
53	👁
53	👁
01	👁
53	👁
53	👁
53	👁
?	👁
53	👁
53	👁

2^5 2^3

0011 0101

2^4 2^2 2^0

$1 + 4 + 16 + 32 = 53$

Base 2 - 01
Base 8 - 01234567
Base 10 - 0123456789
Base 16 - 0123456789abcdef

Base 10

2567
7 is 1s column 10^0
6 in 10 column 10^1
5 in 100 column 10^2
2 in 1000 column 10^3

12.
```
int x = 5;
int y = x + 2;
y = 3;
```

What is the value of the variable _y_ after this code snippet executes?

7

3

x

5

y

x
B

13. int x = 7 / 4;

What is the value of the variable _x_ after this code snippet executes?

1

1

1

1

1

1

1

1

3

x

7 / 4 INTEGER MATH!!!!

1, 3
4 ⟌ 7
    4
  ___
    3

$16 / 7 = 2 * 7 = 14$

$16 - 14$ gives us a remainder of 2

$16 \% 7 = 2$

Find out if a variable is a multiple of 9

Num % 9 => 0 then we have a multiple of 9

\n - escape sequence - \ tells the compiler to escape or ignore the next character

says hit the enter key

n - newline

ays tab over 5 spaces

\n - advance one line down

\t - tab over 5 spaces

sounds an alert

\a - alert ('ding')

\r - carriage return

int x = 3;

int y = x + 5;

System.out.println(y);   ⬅= print 8

y = 7;

System.out.println(y); <= print 7

Int z = x * 5;