## JAVA Statment

```
If Statem ent
if ( expre  ssion ) {
    st at e ments
} else if ( expre  ssion ) {
    st at e ments
} else {
    st at e ments
}
While Loop
while ( expre  ssion ) {
    st at e ments
}
Do-While Loop
do {
    st at e ments
} while ( expre  ssion );
For Loop
for ( int i = 0; i < max; ++i) {
    st at e ments
}
Switch Statem ent
switch ( expre  ssion ) {
   case value:
        st at e ments
        break;
   case value2:
        st at e ments
        break;
   def ault:
        st at e ments
}
Do....w hile
int count=0;
do{
            Sys tem.ou -
t.p rin t(count + " ");
            count ++ ;
}while (count < 10);
Ans 0 1 2 3 4 5 6 7 8 9
```

## Numbers

byte

8 bits

short

16 bits

int

32 bits

long

64 bits

boolean

( no bit just true/ false)

char

16 bit unicode

float

32 bit decimal

double

64 bit decimal

## Command

```
/n = new line
/t = tap
/" = "
/* = multiple
```

## make class

```
Click src > main > new > Java
class (then type the code)
public class Hello
```

## Arrays / List

```
int[] ex1 = new int [3];
ex1[0]= 1;
ex2[1]= 2;
ex3[2]= 3;
```

## String

```
String name = "bacon"
or
String name = 'Bacon'
```

## Vocab

| | |
|---|---|
| Java | high level programming language that is readable by human called JVM ( Java Virtual Machine ). |
| Compiler | translater the program into machine language that can be executed directly on the computer. |
| Executed | Runing |
| JVM | another run program of Java. It referred to Java runtime. |
| JDK (Java Develo- pment Kit) | contains a complete class library of utilities that help you accomplish most common tasks. |
| Java runtime | a program that execute compiled Java byte codes. |
| Java bytecodes | he java complier translate your java program to be an interm- ediate level, which can be executed only by JVM. |