

Nested Loops

1) What will be the value of total?

- a) 21
- b) 57
- c) 63
- d) Will not run

```
int total = 0;
for (int a = 0; a < 21; a++){
    for (int b = 3; b > 0; b - -){
        total++;
    }
}
```

2) Will this loop run correctly? If not, why?

```
int a = 0;
while (a != 20){
    for (int b = 17; b > 0; b++){
        a++;
    }
}
```

3) Write a nested for loop that generates all 52 cards in a standard deck. Use Card(suit, number) to create a new card. Then, print all cards using the getCard() method.