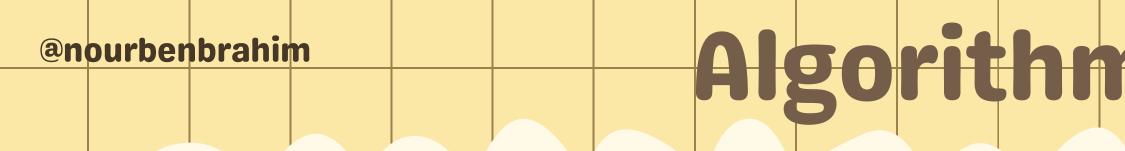


```
@nourbenbrahim
                       int number = 42;
                       if (GetNumber() % 2 == 0) {
                           PrintString("Even Number!");
                           } else {
                           PrintString("Odd Number!");
```

```
@nourbenbrahim
               float Health = 100;
               int Score = 0;
               if(GetHealth() > 75){
                SetScore(GetScore() + (GetScore() x 2) + 2);
                PrintString(GetScore());
```

```
@nourbenbrahim
             float A = 20;
              float B = 0;
              PrintString(GetA() + GetB());
              PrintString(GetA() - GetB());
              PrintString(GetA() x GetB());
              if(GetB() != 0){
              PrintString(GetA() / GetB());
              } else {
               PrintString("you can't divide by zero");
```

```
@nourbenbrahim
                      int number = 5;
                      int result = 1;
                      for (i = 1; i <= GetNumber(); i++) {
                          SetResult(GetResult() x i);
                      PrintString(GetResult());
```

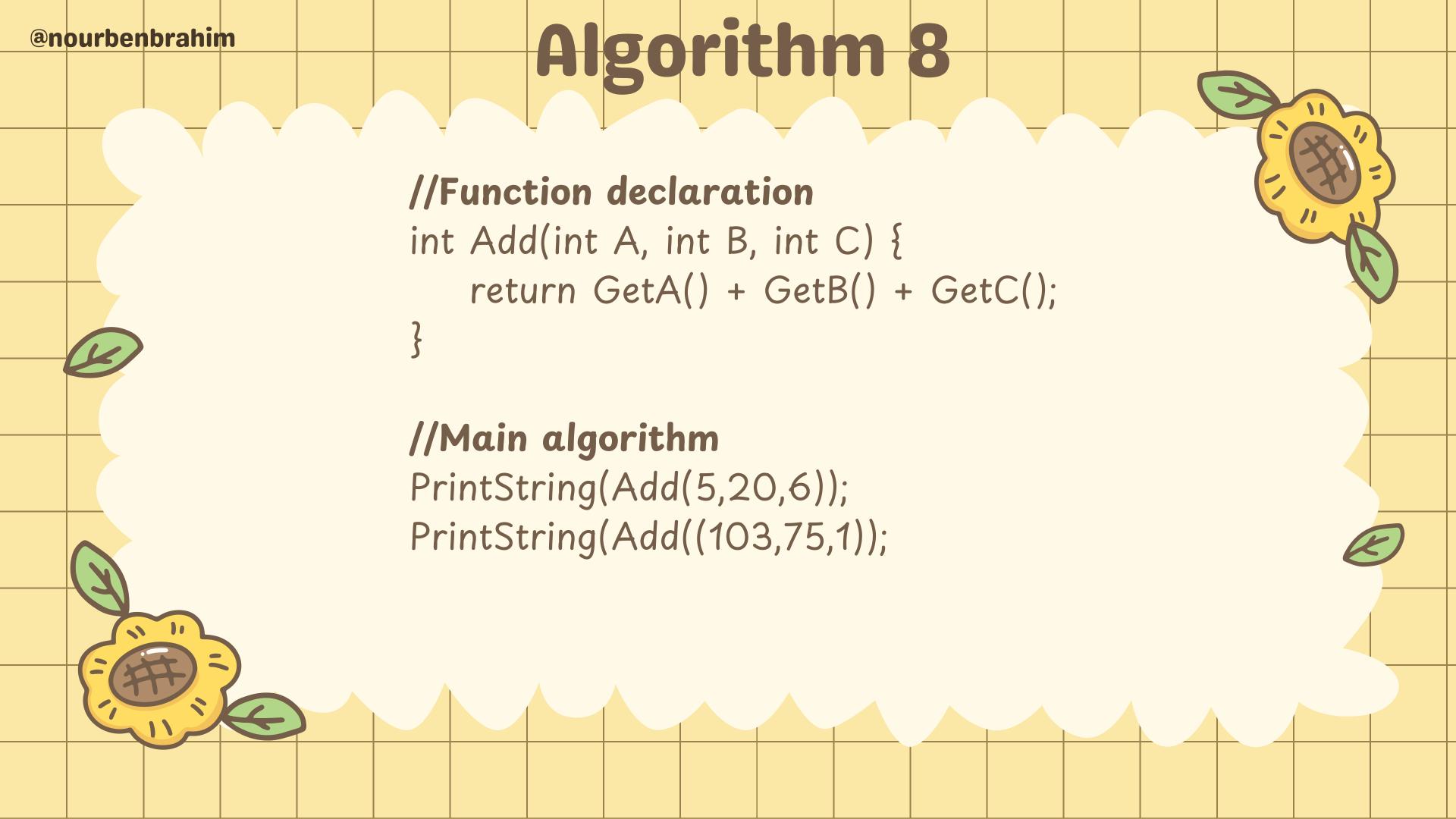


```
for(i = 0; i < 20; i++) {
    for(j = 0; j <= i; j++) {
        PrintString(i + j);
    }
}</pre>
```

PrintString("Loop completed");
}

```
@nourbenbrahim
                      int numbers[] = \{1, 2, 3, 4, 5, 6\};
                      int sum = 0;
                      for (int i = 0; i < numbers.length;
                      i++) {
                          SetSum(GetSum() + numbers[i]);
                      PrintString(GetSum());
```

```
@nourbenbrahim
                     int number = 2548;
                     int digit = 0;
                     int sum = 0;
                     While (GetNumber() > 0){
                        SetDigit(GetNumber() % 10);
                        SetSum(GetSum() + GetDigit());
                        SetNumber(GetNumber() / 10);
                     PrintString(GetSum());
```



```
Algorithm 9
@nourbenbrahim
                    //Function declaration
                    boolean IsEven(int Number) {
                        return GetNumber() % 2 == 0;
                    //Main algorithm
                    if (!IsEven(55)) {
                        PrintString("The number is even");
                    } else {
                        PrintString("The number is odd");
```

```
@nourbenbrahim
```

Algorithm 10

```
//Function declaration
float Max(float A, float B) {
   if (GetA() > GetB()) {
       return GetA();
   } else {
       return GetB();
```

//Main algorithm

PrintString(Max(52,30));





