

# Introduction to OOP

abelski

# Introduction

# Procedural Programming

- The procedural programming, also known as imperative programming, refers to software programming approach in which the instructions are listed step by step.

Using a procedural programming language the programmer specifies the exact language statements to perform one after the other.

```
int num_a = 4;  
int num_b = 8;  
int sum = num_a + num_b;  
if (sum > 10)  
{  
    ...  
}
```

# Object Oriented Programming

- The Object Oriented Programming (AKA “OOP”) is a programming paradigm that uses “objects” and their interactions with each other to design software applications. Till early 1990s the OOP paradigm wasn't wide supported. Today most programming languages (e.g. Java, C#, C++, PHP) support it.

```
Person per_a = new Person("Michael", 12321243123);  
Person per_b = new Person("Jane", 4353452343);  
Person per_c = new Person("David", 452342341);  
per_a.addFriend(per_b);  
per_a.addFriend(per_c);
```

# Object Oriented Programming

```
Person per_a = new Person("Michael", 12321243123);  
Person per_b = new Person("Jane", 4353452343);  
Person per_c = new Person("David", 452342341);  
per_a.addFriend(per_b);  
per_a.addFriend(per_c);
```

