

Object Oriented Programming

Lab Session 3

04.11.2025

Malik Hacini

Contents



1	Limitations of Integer encoding	3
1.a	Integer Limits	4
1.b	Integer types	5
2	Trip planning continued	6
2.a	Overloading	7
2.b	Check implementations	8
2.c	Independent functions	9
3	Generics	10
3.a	Skeleton	11
3.b	Attributes/member variables	12
3.c	Insert and get methods	13
3.d	std::cout method	14
3.e	Factorial program	15
3.f	Higher precision runs	16
3.g	Using std::vector	17

1 Limitations of Integer encoding

Integer Limits



Placeholder

Integer types



Placeholder

2 Trip planning continued

Overloading



Placeholder

Check implementations



Placeholder

Independent functions



Placeholder

3 Generics

Skeleton



Placeholder

Attributes/member variables



Placeholder

Insert and get methods



Placeholder

std::cout method



Placeholder

Factorial program



Placeholder

Higher precision runs



Placeholder

Using std::vector



Placeholder