Торіс					
	<u>C</u>	0 6		0 0	
Java Basics					
	х				
Define the scope of variables		х			
Define the structure of a Java class		x			
Create executable Java applications with a main method; run a Java program from the command line; produce console output		х	×		
Import other Java package to make them accessible in your code		х			
Compare and contrast the features and components of Java such as: platform independence, object orientation, encapsulation,		х			
Washing With Java Data Times					
Working With Java Data Types					
Declare and Initialize variables (casting of primitive data types)	X				
static variables	Х				
difference between object reference variables and primitive variables	Х				
Know how to read or write to object fields (getter & setter)	X				
Explain an Object's Lifecycle		x			
Develop code that uses wrapper classes such as Boolean, Double and Integer		х			
Using Operators and Decision Constructs					
Use Java operators; use parentheses to override operator precedence		х			
Test equality between Strings and other objects using == and equals()	х				
Create if and if/else and ternary constructy	х				
Use a switch statement		х			
Cuanting and Haine Agence					
Creating and Using Arrays Declare, instantiate, initialise and use 1-D array					
	Х				
Declare, instantiate, initialise and use 2-D array	X				
Using Loop Constructs					
Create and use while loops	х				
Create and use for and enhanced for loops					
Create and use do/while loops	X				
compare loop constructs	X				
use break and continue	X				
use break and continue	X				
Working with Methods and Encapsulation					
Create Methods with arguments and return values, including overloaded methods					
Apply static keyword to methods and fields	X				
Create and overload constructors; differentate between default and user defined constructors	X				
apply access modifier	X	.,			
Apply encapsulation principles to a class		X			
Determine the effect upon object references and primitive values when they are passed into		X			
methods that change the value		X			
Working with Inheritance					
Describe inheritance and its benefits		х			

differentiate between the type of reference and the type of an object				
Determine when casting is necessary		x		
Use super and this to access objects and constructors	x			
Use abstract classes and interfaces	x			
	х			
Handling Exceptions				
Differentiate among checked, unchecked Exceptions and Errors	x			
Create a try-catch block and determin how exceptions alter normal program flow	x			
Describe a try-catch block and determine how eceptions alter normal program flow	x			
Describe the advantages of Exception handling	x			
Create and invoke a method that throws an exception	x			
Recognize common exception classes (NullPointer,Arithmetic, ArrayIndexOutOfBounds,ClassCast)	(x)	x		
Working with selected classes from the Java API				
Manipulate data using the StringBuilder class and ist methods			x	
create and manipulate Strings	x			
Create and manipulate calendar data using classes from LocalDateTime, LocalDate, LocalTime, DateTimeFormatter, Period				x
Declare and use an ArrayList of a given type	х			
Write a simple Lambda expression that consumes a Lambda Predicate expression				х