



UNIVERSITY OF JOHANNESBURG

FACULTY OF SCIENCE

COMPUTER SCIENCE 1A

SAMPLE DESIGN

Problem Description

Write a menu driven program that contains a while, do-while, for and a for-each loop.

Reference: Practical 4

Input & Output

Input	
<i>Input Description</i>	<i>Mechanism</i>
String	Standard input stream
Output	
<i>Output Description</i>	<i>Stream (optional)</i>
Number of characters	Standard output stream

Data Format

<i>Identifier</i>	<i>Data Type</i>	<i>Description</i>
strWord	String	Users input
intNumChar	Integer	Number of characters

Pseudo Code

String strWord

Get word (input) from user

Integer intNumChar

For every character in strWord
 Add 1 to intNumChar

Display intNumChar

UML Activity Diagram



