UNIVERSITY OF JOHANNESBURG

FACULTY OF MANAGEMENT
NOVEMBER 2014 EXAMINATION

DEPARTMENT OF APPLIED INFORMATION SYSTEMS

MODULE : **SOFTWARE SKILLS 1 (MODULE A)**

CODE : **SWS11B1**

DATE : **1 November 2014**

DURATION : **2 HOURS**

TIME : **8:30 – 10:30**

TOTAL MARKS : **56**

EXAMINER : **MR J SOOKHA**

MODERATOR : **MR NSM SHONGWE**

NUMBER OF PAGES : **3 PAGES**

INSTRUCTIONS TO CANDIDATES:

- Question papers must be handed in.
- This is an open book assessment.
- Read the questions carefully and answer only what is asked.
- The general University of Johannesburg policies, procedures and rules pertaining to written assessments apply to this assessment.

… Cont.

Medical Sales Inc. has come up with a new product that sells AIR. This product is said to help in the process of providing enriched oxygen to a person, thereby allowing people to breathe in a fresher AIR.

Below is, the sales of 10 salespeople with sales for the last week of their leading product. The following array details have been provided:

Array	**Name**	**Size**
Sales people names	strSalesP	1D (10)
Days of the week	strDays	1D (5)
Sales Amounts (Rands)	dblSales	2D (10 x 5)

Please note that you are required to create & manage all other variables as the need arises in each question. In the following questions, if a variable name is given, please declare using that name. If a name is not provided, then proceed to create & name the variables according to the standards learnt in class.

Question

You are required to do the following:

Load Values
Using the file provided, copy the data to be loaded in each of the above mentioned arrays
[2]

Total Sales
Calculate & Display the Total Sales for each Salesperson for the 5 days and store the results in a 1D Array named dblTotal
[6]

High & Low
Calculate the Highest Sales for each salesperson and display, the sales amount and the salespersons name
[7]

Calculate the Lowest Sales for each day and display, the sales amount, the day and the salespersons name
[9]

Average
Calculate & display the average sales for each salesperson and store the averages in a 1D array named dblAvgSP
[6]

Calculate & display the average sales for each day and store the averages in a 1D array named dblAvgDay
[6]

Search
Using a Sequential Search, request from the user, the name of the Sales person, and when the information has been found, display the salesperson's name, their sales for each of the 5 days, their total sales & their average sales.
[12]

strDays

	Monday	Tuesday	Wednesday	Thursday	Friday
dblSales					

	strSalesP						dblTotal		dblAvgSP
1	Jack	1243	5678	9143	8945	6342		**1**	
2	Jane	1342	5786	9413	8954	6423		**2**	
3	Jennifer	1432	5876	9341	9845	6324		**3**	
4	Jackie	1234	6758	3491	9485	4326		**4**	
5	Joseph	2134	6875	3941	4985	4623		**5**	
6	Jesse	2431	7865	3149	4895	3642		**6**	
7	Jamie	3142	7856	4139	5489	3462		**7**	
8	Jake	3412	8765	4319	5849	4263		**8**	
9	Joe	4312	8576	4391	4895	2463		**9**	
10	Peter	4132	8675	1493	4985	2634		**10**	
		1	**2**	**3**	**4**	**5**			

dblAvgDay

Object Naming: 4
Comments: 4
Code: 48
[Grand Total: 56]