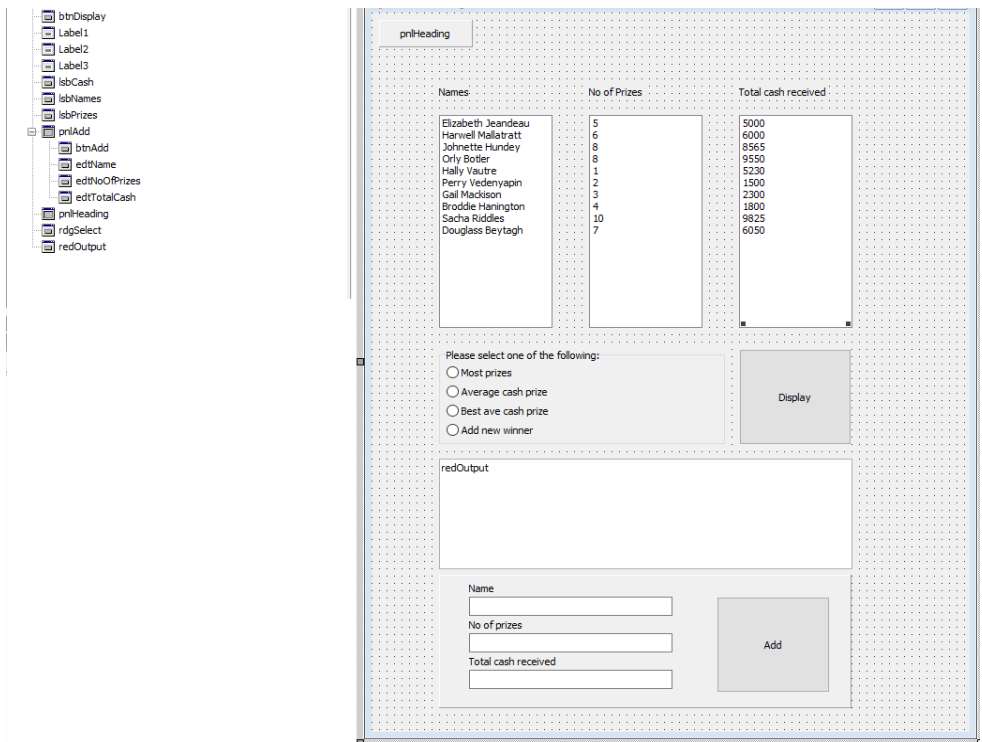


TERM 4	Week 3	
TOPIC	Software Development – Problem Solving	
AIMS OF LESSON	Develop problem solving skills	
RESOURCES	Paper based resources	Digital resources DBE Textbooks
	DBE Practical Textbook Gr 10: Chapter 5 and 6. (Use school issued textbook for the same content)	Links on the WCED ePortal: DataFiles The e-resources below has the actual URL to the websites
INTRODUCTION	Reinforce problem solving principals	
CONCEPTS AND SKILLS	Decision making	
ACTIVITIES / ASSESSMENT	Open the incomplete project This incomplete project has no functionality at the moment. 	

Add code to the **onShow** event of **frmPrizeGiving** to do the following:

- Change the following on **pnlHeading**
 - It should display: **Prize Giving: 2020/10/12**

Note: The date should always be today's date

- The text needs to be bold and underlined
- The size of the panel should be 60 x 620

Please note the following:

You have been supplied with three listboxes (**IsbNames**, **IsbPrizes**, **IsbCash**). These list boxes should be used in the following questions.

The **btnDisplay** component is used to determine what was selected in **rdgSelect** and display the correct information on the **redOutput** component. Make sure the **redOutput** component is cleared before new information is displayed on it.

Add code to **btnDisplay** to give the program the following functionality when the item was selected on **rdgSelect**:

[Most prizes] The learner that won the most prizes should be displayed on the redOutput component in the following format: Name: Sacha Riddles No. of Prizes: 10																					
[Average cash prize] The average cash prize is calculated using the following formula: $(total\ of\ all\ the\ cash\ paid\ to\ winners) / number\ of\ prizes$ Use this formula to calculate the average cash prize and display it on the redOutput component in currency format, round of to 2 decimal places. Average cash prize: R1 033.70																					
[Best ave cash prize] The best average cash prize is determined by calculating the average amount received per prize of a learners and comparing if it is higher than the average cash prize. Display the learner's names and their average amount received when it is higher than the average cash prize on the redOutput component in currency format, round of to 2 decimal places. <table> <tr><td>Elizabeth Jeandeau</td><td>R1 000.00</td></tr> <tr><td>Harwell Mallatratt</td><td>R1 000.00</td></tr> <tr><td>Johnette Hundey</td><td>R1 070.63 - Higher than average</td></tr> <tr><td>Orly Botler</td><td>R1 193.75 - Higher than average</td></tr> <tr><td>Hally Vautre</td><td>R5 230.00 - Higher than average</td></tr> <tr><td>Perry Vedenyapin</td><td>R750.00</td></tr> <tr><td>Gail Mackison</td><td>R766.67</td></tr> <tr><td>Broddie Hanington</td><td>R450.00</td></tr> <tr><td>Sacha Riddles</td><td>R982.50</td></tr> <tr><td>Douglass Beytagh</td><td>R864.29</td></tr> </table>		Elizabeth Jeandeau	R1 000.00	Harwell Mallatratt	R1 000.00	Johnette Hundey	R1 070.63 - Higher than average	Orly Botler	R1 193.75 - Higher than average	Hally Vautre	R5 230.00 - Higher than average	Perry Vedenyapin	R750.00	Gail Mackison	R766.67	Broddie Hanington	R450.00	Sacha Riddles	R982.50	Douglass Beytagh	R864.29
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[Add new winner] The pnIAdd component needs do appear when this option is selected. Get the correct input from the edit boxes and add it to the correct list box component when btnAdd is clicked. Clear the components after the data was added to the list boxes. The pnIAdd component needs to disappear after the data has been added to the redOutput component.																					
CONSOLIDATION	<i>In this problem, you worked with decision making and used problem solving techniques.</i>																				
VALUES	<i>Thank you for working through this document! Stick to your hard work. You are creating an opportunity to better yourself. Your perseverance will bring dividends.</i>																				
E-RESOURCES	Data Files: https://wcedportal.co.za/eresource/164571																				