 Province of the

EASTERN CAPE

EDUCATION

**DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)**

**HOME SCHOOLING SELF-STUDY WORKSHEET ANSWER SHEET**

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| **SUBJECT** | INFORMATION TECHNOLOGY PRACTICAL | **GRADE** | 10 | **DATE** | 27 April to 1 Mayl 2020 |
| **TOPIC** | Decision making – Decisions in algorithms  | **TERM 1****REVISION** | (Please tick) | **TERM 2 CONTENT** | ✓ |
| **TIME ALLOCATION** | 1hr | **TIPS TO KEEP HEALTHY**1. **WASH YOUR HANDS** thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%.2. **PRACTISE SOCIAL DISTANCING** – keep a distance of 1m away from other people.3. **PRACTISE GOOD RESPIRATORY HYGIENE**: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use.4. **TRY NOT TO TOUCH YOUR FACE.** The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. 5. **STAY AT HOME.**  |
| **INSTRUCTIONS** | Resources used// Most of this week’s work is taken from the New DBE book chapter 5* Information Technology Practical Book Grade 10 Practical, DBE
* Past Exam Papers

Answer all questions |
|  | Sample Code Solutionunit Prefer\_u;interfaceuses Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls, ExtCtrls;type TfrmCooldrink = class(TForm) rgpCooldrink: TRadioGroup; rgpGender: TRadioGroup; btnRecord: TButton; btnDisplay: TButton; lblNumAnswers: TLabel; Label1: TLabel; Label2: TLabel; lblWFemale: TLabel; lblPercMale: TLabel; lblWMale: TLabel; lblCFemale: TLabel; lblCMale: TLabel; procedure btnRecordClick(Sender: TObject); procedure rgpGenderClick(Sender: TObject); procedure rgpCooldrinkClick(Sender: TObject); procedure btnDisplayClick(Sender: TObject); procedure FormCreate(Sender: TObject); private { Private declarations } public { Public declarations } end;var frmCooldrink: TfrmCooldrink; // declare variables to count responses of each gender iCFemaleCool, iCFemaleWater, iCMaleCool, iCMaleWater, iNumLearners: Integer; rPerFemaleCool, rPerFemaleWater, rPerMalesCool, rPerMalesWater:Real;implementation{$R \*.dfm}procedure TfrmCooldrink.btnDisplayClick(Sender: TObject);begin// Place your code here lblNumAnswers.Caption:=IntToStr(iNumLearners); lblCFemale.Caption:=FloatToStrF(rPerFemaleCool,ffFixed,4,2); lblCMale.Caption:= FloatToStrF(rPerMalesCool,ffFixed,4,2); lblWFemale.Caption:=FloatToStrF(rPerFemaleWater,ffFixed,4,2); lblWMale.Caption:= FloatToStrF(rPerMalesWater,ffFixed,4,2);end;procedure TfrmCooldrink.btnRecordClick(Sender: TObject);begin// Place your code here if (rgpGender.ItemIndex = 0) and (rgpCooldrink.ItemIndex = 0) then iCFemaleCool := iCFemaleCool + 1; if (rgpGender.ItemIndex = 0) and (rgpCooldrink.ItemIndex = 1) then iCFemaleWater := iCFemaleWater + 1; if (rgpGender.ItemIndex = 1) and (rgpCooldrink.ItemIndex = 0) then iCMaleCool := iCMaleCool + 1; if (rgpGender.ItemIndex = 1) and (rgpCooldrink.ItemIndex = 1) then iCMaleWater := iCMaleWater + 1; iNumLearners:=iNumLearners + 1; rPerFemaleCool := (iCFemaleCool/iNumLearners)\*100; rPerMalesCool := (iCMaleCool/iNumLearners) \* 100; rPerFemaleWater := (iCFemaleWater/iNumLearners) \* 100; rPerMalesWater := (iCMaleWater/iNumLearners) \* 100;end;procedure TfrmCooldrink.rgpCooldrinkClick(Sender: TObject);begin// Place your code hereend;procedure TfrmCooldrink.rgpGenderClick(Sender: TObject);begin// Place your code hereend;procedure TfrmCooldrink.FormCreate(Sender: TObject);begin iCFemaleCool := 0; iCMaleCool := 0; iCFemaleWater := 0; iCMaleCool := 0; iNumLearners := 0;end;end. |