 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 Solution  unit Prefer\_u;  interface  uses  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 here  end;  procedure TfrmCooldrink.rgpGenderClick(Sender: TObject);  begin  // Place your code here  end;  procedure TfrmCooldrink.FormCreate(Sender: TObject);  begin  iCFemaleCool := 0;  iCMaleCool := 0;  iCFemaleWater := 0;  iCMaleCool := 0;  iNumLearners := 0;  end;  end. | | | | |