 Province of the

EASTERN CAPE

EDUCATION

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

**HOME SCHOOLING SELF-STUDY WORKSHEET**

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| **SUBJECT** | INFORMATION TECHNOLOGY THEORY | **GRADE** | 11 | **DATE** | 20 April to 24 April 2020 |
| **TOPIC** | String and date manipulation – Built in string methods | **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   * Information Technology Practical Book Grade 11 , DBE Chapter 4 * Past Exam Papers   Answer all questions |
|  | 1 Write Delphi statements to display the ordinal value (ASCII) of the following characters.  a. ‘╝’  b. ‘G’  c. ‘9’  2 Read a sName string from ComboBox cmbNames and convert it to uppercase.  3 Study the code segment below and then answer the questions that follow:   |  | | --- | | IF (compareText(sString1,sString2) = 0) THEN  memDisplay.Lines.Add(‘Found’)  ELSE  IF (compareText(sString1,sString2) > 0) THEN  memDisplay.Lines.Add('Descending')  ELSE  memDisplay.Lines.Add('ascending'); |   What will be the output if the following strings are read for sString1 and sString2 respectively?  a. ‘happy’ and ‘Unhappy’  b. ‘School’ and ‘school’  c. ‘Plain’ and ‘Plane’3.1 Why is online privacy becoming more difficult to achieve?  3.2 In your own words, explain anonymity.  3.3 What were the reasons for the identity theft in each case study?  3.4 What measures have you put into place to protect your identity? If you haven’t, explain why.  4 Open the project PasswordEncrypter\_U and write code for the [Encrypt] button.    ●● Change the letters of the alphabet from the password to the next alphabetical letter, for example if the letter is ‘A’, the letter must become ‘B’. If the letter is ‘B’, the letter must become ‘C’, and so on. If the letter is ‘Z’, the letter must become ‘A’.  ●● Display the encrypted password in the password EditBox.  ●● Sample output: | | | | |