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| DATE 21 06 2020 | CSE B2 |
| The second secon | 2074700 |
| No-09. | t e |
| Planon Alexiquities | |
| No-02 | |
| | |
| 1) What are the data types in Ryth | Pon / Explain |
| The types of data that are used | a un pydroriano |
| * Numbers: Numeric values are Osto | red and squar |
| west supports I types of numeric | alata, they are |
| - unt (oligned untegers) | |
| - long (wed for hegh stange of values | |
| - leat (used to store Uniting point | values) |
| - foat (used to store floating point - complex (used to ottore complex number | |
| - Confidence of the confidence | |
| * M = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = | and all many |
| * Mitung: The cetting can be defe | and as the sequence |
| desple quotations en to Example : hello | gle or double or |
| excemple quetations pa le Excemple à hello | world' |
| 101 | A |
| *) List : List aux ginelass to ausai | 1 |
| the list contain data of different | types. The Etems |
| Stored in the list are geparated | |
| and enclosed with in the equal | ce brackets[]. |
| We can use slice [i] operators to a | access the data of the |
| list. Eg 5 1 = [1, "h?", "Python", 2 | |
| punt [1 (3: 1). | 0/0 -> [2] |
| | 11 |
| *) Tuple: A stuple is osimilar to | 181 9 |
| and would a John 18th Turks of | in any sur |
| many ways & tike list, Tuple al | · contain the |
| collection of the Steens of defere | ut data types. The |
| Eleme of tuples are reporated | with a romma () |
| and enelosed in the parauthe | GS () |
| Eg: t = (" hi", "python ", 2) purt (+[1:]) | • |
| pult (+[1:]) | Op (python, 2) PES |
| | |

* Dictionary: it is an ordered set of a key-value paise of steur. It is like an associative surray. Key can hold any Ponnitive data type where as value ile au aubitary pythen object. eg: d= {1: 'gimmy', δ: 'Alex', 3: 'John' } punt (" 154 name is "+d[1]); op 1st name û jîmmy 2) Briefly explain history of Python? one Python is a widely med, general-purpose high-level programming language. It was unitially disigned by Grudavan Rossum in 1991 and diveloped by python regtween foundation. It was similarly / mainly developed for emphasis on rode madability and its syntax allows programmers to expues concept in fewer lives of code. In the late 1980's, history was about to written. It was that twee when working on python &tasited. Moon after that, Guido Van Rossum began doing uts application bound work un december of 1989 by at rentrumwiskunde and informatica (cw1) which is actuated in Netherland. It was estanted first as a hobby project because he was dooking for an intersting propert to keep him occupied during christmas. The purgramming language which python is graid to have ducceded is ABC programming language, which had unterfacing with Amoeba Operating System and had the feature of exception handling. He had already helped to create ABC earlier un his career and he had dome weres with ABC but liked most of the features. After that what he did as everally very clever. He had taken the seguitax of ABC, and some of its good features. It came with a lost of complaints doos do be fixed those issues completely and had are still PES

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| v) Logical Operations? There are used puincilly in the |
| expuession evaluation to make a decición. Python Supports |
| and, or, not logical operators. |
| vi) Numbership operators: These are used to check the |
| membership of value uniside a python. If the value is present |
| In data Octunitions, then the suculting value is Turk |
| otherwise it returns false. In and not in see neubership |
| operations. |
| _vii) Identity Operaton: |
| is :- it is evaluated to be time if the refuserce |
| present at both side point to reame object. |
| a nod 3- it is evaluated to be true of reference present |
| present at both side do not point to dame diject. |
| 2 0 10 |
| 11) Explain the features of python. |
| one of a serious friendly and |
| i) Easy to learn and use - it is developer furually and high hul programming language. 21) Expuesive language - it means that is more understandable |
| 38) en men la succe - et means that is more understandable |
| and madable. |
| 111) Interpreted language - interpreted executes the code line by |
| luce at a time. This moakes debugging early and |
| thus osuidable for beginners. |
| iv) suos platform language - it can sun equally on different |
| platforms auch as mendows, linux, unix etc. do we |
| Lau say python is a postable lauguage. |
| V) Force and Open Obource - it is freely available at |
| official met odders source code is also available |
| it is a open source. |
| vi) Object - oriented language - It reupports object oriented |
| longrage and concepts of claves and objects |
| roune undo existence. |
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| vii) Exterrible - it implier that other languages such as |
| C/C++ can be used to compile the code and thus |
| - it can be used further un over python coole |
| viii) Name allowed thrown - outhor has large and broad |
| visi) dange attoudand Library - python has lange and broad library and provides with art of module and functions |
| for exapial application clevelopment. |
| 1x) Grui programming Support - Grui can be developed uning |
| bython. |
| X) Sutegerated - It can be early untegerated with languages |
| - lêke C, C++, Java etc. |
| |
| 5) Tustily why python is interactive unterpreted languages |
| Aus Python is an interacted unterpreted language because |
| Mulike C/C++ etc., python us an unterpented Objected |
| Overted programming language. By unterpreted it is |
| meant that each time a program is sum the unterpreter |
| checks through the code for errors and their intuprets |
| - the cod unstructions unto machine madable byte code. |
| De can easily untegrated python with other languages |
| - like c, C++ etc. There is no need to compile pythom cod |
| this makes it easier to debug our code. The gowner |
| Code of python is converted into an immediate form |
| called byte code. |
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