Resignment - 2 G. RamyaRashmitta cse-8232/810302049 What are data typex in python? Explain. clarAfication or categorization of 9tems. Data types represent a kand of value They are the I operations, can be determines. What Per-formed on that data numeric, non-numeric (True | false) data Boolean data types. Hata types of python. complex The float, -Type: string = · 19st · Tuple · Orchonomy Bust-on Data types. Numeric sequence list tuple, range mapping: dict set: set i trozonset Boolean: bool Benany: bytes, byteamay, -09: - pant the datatype of the uamable print(type(x))

(2) Brie-Pry Explain an History of python.
Python the an interpreted, thigh-tenot) general purpose enough to gramming tempurge, created by cultipation rousem and that released on large philosophy emphosizes
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- Profigned by Guado von Rossans Foundation. - Preventages Python Rossessia 1990; 30,48011 ago. - Part appeared an year 1990; 30,48011.
c refrest appeared on the state of the
(3) Explain all the operators on python.
3 Explosin all the operators in political
- Afrikmeth operators one used to perform - Afrikmeth operators one asked to perform
operations meaning
-t operands or 1, 11 1 2
Musual brown
x-y-2
- Sobt operand
- right operand

```
multiply two
              operands
            Dhylde
                    tett
                operand by
             right itwo
Oho
            Modulus - remounder
             of the division of
              left operand
                   Mant
            Floor dansian -
 lj
                      that results
               digarh
               anto unote number
                adjusted to the
                 164L
                  exponent - left
水水
                 operand valued
                           power
                   to the
                 ot right
       PAnt ('x+4'=, x+4)
              (x-41=,x-4)
      print
             [1**Y=)x*4]
      byu<sub>t</sub>
       print (** 14 = ", X/4)
              C/ x 11 A = 1' x 11 A)
         Print
               ( york 4 ~ y = 1, notely)
```

point

9 Explosion The Features of Python. 1 Python Footures wie an dynamic kightenel, Free Open source and Interpreted programming as supports object oriented programming as Well as procedural ordented programming. time an python, we don't need to declare the type of variable because type language type language -12 2t 91 eary to Learn and use * Expressive longuage * Interpreted Loughage + cross-platetorm ranguage * Free and open source object -oriented languago isosof the of * Extensible of courge standard Bhrany. Modern Bulumarboad Ento or of integrated

Why Python 9s anteroctive anterpreted Object of cott ent.c., python 9x an enterpreted Object-oriented programming language tous compiled programming language. The compiler translates the whole code en one-go rather man ene-by une This 90 the reasons why 90 clauguage, all the errors are great during compliation only. of the can actually It at a python prompt and Porteract with the anterpreted directly Magte our programs. The Dunce coole It runs derectly troom