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Object Oriented Programming (Assignment-1)
Mame: Md Fordin Islam Alif
IO: 0152420018
Section: BD
Ano: to the question no-1:
a) closes Check Empty (Exception):
         pass
   class Creck Flums (Exception):
         boon
  closes Chuck Thrushold (Exception):
         boss
  class Check Range (Exception):
         boss
dy process Sensor data (temperatures, trushold):
      if len (temperatures) == 0:
            raine Check Empty (" lint com't be empty")
      : (tri , bladavrt) snatariai tar file
            Touse Check Throughold ("Throughold must be an integer")
      elif
      epor:
           : aventorignet is i not
                : ((toalf, tri), i) sarrataniari ton pi
                       raise Check Thurs ( Temperature must be ortiger on
                elif i L-100 ar i 2 100:
                       Maise Creek Range (Temperature out of range)
     [] = berutif
      ; constantant or i not
           4 12 thrushold:
              (i) prugap . append
           else:
               print ("Tunperroture is below thrushold")
     " beretlif router
```

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Ano: to the question no 2:
16)
1(7)
                                    b) def even-value-extractor (n):
 trate
                                            for i in range (0, no. 2):
 Caught Value Errore: Invalid value
                                                    y 1.1.2==0
 Executing finally
                                                        i buip
 1(2)
 Start
 Executing finally
 4131
  Start
 Caught Type Erown: Wrong Type
 Exacting finally
 4(4)
  Start
  Executing finally
: 6 - or raitant art of ; and
a) of [" Product - Cotypodus"]. munique ()
[" ptttrawo"] + [" Price"] * d[" Quartity"]
  () rambi. () mus. ["(alla3"] (ptis) jedquarg.
c) of groupby ("Customer-Mame") ["Quantity"]. sum (). wana ()
Frequent-Wathout.
d) rum = of [ of [" Product - Catigory"] == "Electronics"]
  new ["Rayment-method"]. mode ()
6) of drawaters.
  of ["month"] = of ["Runchase-Date"] . dt. streftime ("01.B")
  () xambi. () mus am Tailas] ("AtraM") judguary.
           tila (12301) water its "hulloring and"
```

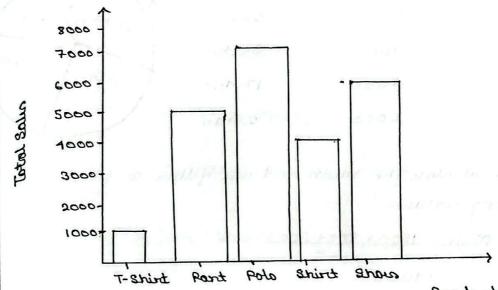
Banco of a water

-: P-ar raitant at: arch

air Bar graph. Because it helps to visualize a single numerical.

. mules to large the last contract of walls.

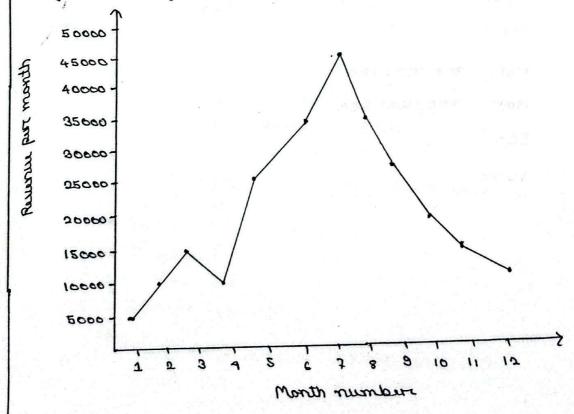
x-data = ["T-Shird", " Road", "Polo", "Shird", "Show"]] y-data = [1000, 5000, 7000, 4000, 6000]



Product Catigory

Product Catigory

Drug at the trust of or observe and in its constant of social printers or of the product of social printers or of the product of social printers or of the product of the printers of the



iii) Phe Chart. It helps us to underestand which product is contributing the most by taking most of the part of the circle.

circle. 000EC = rular latat T-snist & Products .1. ni naula? alla tride -T 1000 4-3.1. 31.4.10 Post 5000 1.F.1C Poto 000F 30.4.1. Shirt OOOP 17.4.1. Shoes 6000 26.2.1. > Rola

oi) I will a sollife sol boro now at stalustos lim I (id

800

500

1200