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H [08]28
  Modify tollowing program with walrus operator.
  Hint:- Combine lines 7, 8 and 10 to a single line with wallus
  operator.
   a = 144d is green. Lity. Hyd is hitec city. Hyd is his Lity.
    index = a - find ('is')
   while index! = -1:
  print (index)
      index = a. lind l'is', index+1)
    briut (, Eug.)
 a= Hyd is green city. Hyd is hitec city. Hyd is his city
  Mhîle (index:= a. find l'is' "(index+1) if 'index'in locals () else
      print (index)
                                                   0)1/2-1:
   print ('End')
                                115° i erbride o e gradi
  index () method demo program
  Modify the following program with index() method above
  a = Hyd is green city. Hyd is hitec city. Hyd is his city
       index = a; index ('is')
     while True:

print (index)
       index = a. index ('is, index+1)
    except Value Error:
      print ('End')
```

Modify following program with rfind method:

a = 'Hyd is green city Hyd is hitec city. Hyd is his index = a. if ind ('is')

white, index f = -1:.

print (index)

Index = a. rfind ('is', o, index) the search from left to right ('End')

print ('End')

position

(4) rindex (1) method demo program

Modify tellowing program with rindex program

Hind: Use try and except

A = !Hud is green city flyd is hiter city flyd is his city

try:

index = a rindex ('is')

while True:

print (index) ('is', o, index) # search before current index

except Value Evor:

print ('End')

(5) # Count() method demo program

a = 144d is green city. Hyd is hitec city "Hyd is his city"

print (a. count(is')) # 4 count total occurances of print (a. count (is', 19, 481) # 48

print (a. count ('was')) # 0 # count occarances of 'was'

not present

- @ find outputs a = 'Hyd is It green in city. Hyd is Ith itecln city. Hyd is I thain print (a. count ('')) = +++4 HI Roy Standing print (a. count ('(t')) #,3. print La : count ('In!) # 3 . D'Urite a program to replace every occurance of first character in the string with "except first character let input be babble. print to grater thing What is the output ? --- > ba**le S = babble deplus hill of first - chas = s[0] result = first - char + s[1:]. replace (first-char, '+') print result bliffe a program so realed on exper 7 Find outputs · Jadmy2 = Olda a = '15:36:48' print(a. Split(':')) # [15] 36, 48] print (a). # 15:36:48 grange strong i) tind output a = 'Hyd In is green It city' rued in it top print (a. split(") # ['Hyd'In is , green It city'] print (a. Split (1)
 - print (a. split ('')

 # ['Hyd'In is', 'green \t city']

 print (a. split ())

 # ['Hyd'In is', 'green', 'citu']

 print (a. split ('green')) # ['Hyd'In is', '[t city']

 print (a. split (''))

 # Error split (1 cannot take an empty

string separatos.

- print (a. split (''')) # ['Hyd | tis | tis | tity]

 print (a. split ('')) # ['Hyd', 'is', 'green', 'city]

 print (a. split ('')) # ['Hyd', 'is', 'green', 'city]
- Tind output

 a = 'Hyd is green city' # 3 spaces blow the words

 print (a. split()) # ('Hyd', 'is', 'green', 'city')

 print (a. split('')) # ['Hyd', 'i', 'is', 'green', 'green
- Tind outputs

 a = 'www.gmail.com'

 print (a.split('.')) # ('www', 'gmail. 'com')
- (13) Write a program to evalute an expression which contain only + symbols.

1et input be 123+45+6+789

expr = input ("Enter an expression with only '+':")
parts = expr. Split ('+')

total = 0

for p in parts

total + int(p)

print ("sum =", total)

green to the transfer the same of the same of the

```
and outputs
 [15', '36', '48]
int 1: '. join (a))
                            # 15: 36:48
,= ('Hyd'. 's', 'green', 'city')
, fint (' ' · join (b))
                             # Hyd is green city
(= (10', 20', 15', 25', 52')
print( · · · join (c))
                             # 25,10,20,15, 52
j= ['www', 'gmail', 'com']
print ('.' .join(d))
                            # www.gmail.com
e=[15,36.48]
                            It all element should be in string
pilat (':' , join (e))
f = ['Sankas', 'Dayal', 'Sarma].
print (". join (fl)
                            # Sankar Dayal saima.
g=range (5)
                          itt giver string not an integer;
print ('-1. Join (g))
) endswith()
 a = 'Hyd is green city'
 print (a. endswith ('city')).
                                     # True
 print La-endswith ('town')
                                     # false
 print (a. endiwith ('green', 3,12))
                                    at True
 print (a. endswith (igreen), 3,1311 # False
 print (a · endswith ( '', 3, 137)
                                   I True!
(6) Write a program to append ving to input string
   s = input ("Enter a string!")
   if Penis) < 3:
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elif s. endswith ("ing"):
     result = 5 + " [4"
 else:
      result = S+ "ing"
                                              . • 114
print (result).
isalpha () method demo program
  print ('Hyd'. isalpha(1),
                               # True
                                           print ('Rama Rao'. isalpha (1) # talse
                                            [30 de. asjes
 print l'Hydu'. Psalpha (1)
                             .# false
                                           (14) Aug . (1) William
 print ('Hyds': "isalpha(1)
                             # False
 print ('9247'. isalpha(1)
                                           a 'unlas' r
                             # false
 print ('+-$' isalpha())
                                           (C) (i), "\16ig
                            + False
print ('AzH', isalpha())
                                            (3) sprange (5)
                             # False
print to. isalphall
                                          ips and . ( ) daing
                            tt False
print (1". isalpha())
                            # false
                                              ( ) distribution ( )
  isdigit l'i method demo program
                                          furbon Ditella
  print ('9247' isdigit()) - (like
                                           and ( a coden
 print ( '92a47'. isdigit(1). #
                               False
                                          "WENTED I THINK
 print ( '92$47'. isdigit()) -#
                               False
                                        mint (o. enfour
 print ('Hyd'. isdigit ()) # False
 print (++$! is digit (1) # False
 print ('A2H'. is digit(1) # False
                                          my try to stirtly
 print (". isdigit(1) =# False
print ('', isdigit ())
                       # False
print (9247, isdigit()) = Error - integes don't have i isdigitt
```

19) H isupper () print ('Hya' isupper (1) # False -> Becaw d is lower print ('H40'. isupper()) If True -> All Letters are upper print ('9247, isuppese 11 # falso-s No letter at all print l'RAMA RAO'. isuppor ()) # True > All letters are upper print (+++1. isupper ()) False-) No letters print ('HUD128', isupper()) # True -> All retters are upper print (HUD +- \$', isuppu() # True - ... () print (" · isuppor (1) False -> Empty string-sno lette print ('A2#! isupper(11" # True -> 'A' i's uppercase 20) islower () method print(hyp: islower()) --IF False -> D is upper case print ('hyd', islower()) True -> All setter are lower care print (9247: is lower()) 1000 False -> No-sletter -> return Hals

print ('hyd', islower()) # False -> D is upper case

print ('hyd', islower()) # True -> All setter are lower case

print ('q247', islower()) # False -> No -> letter -> returns fla

print ('rama rao', islower()) # True -> All setter upper case

print ('t-\$', islower()) # True -> All setter

print ('hyd +-\$', islower()) # True -> All setter

print ('abc123') slower()) # True -> All setter sower case

print ('abc123') slower()) # True -> All setter sower case

print ('a 2#', islower()) # False -> Empty string

print ('a 2#', islower()) # True -> O, is sower case

print ('A7\$9'. isalnum()) =# False -> \$ is not a setter

print ('H4D': isalnum()) =# True -> 'A11 are setter

print ('4-\$'. isalnum()) # False-> only symbol

print ('hyd': isalnum()) # True -> A11 are setter

print ('hyd': isalnum()) # True -> A11 are setter

print ('hyd': isalnum()) # True -> A11 are setter

print ('hyd': isalnum()) =# True -> A11 are setter

print (19247! isalnum ()) # False -> Empty string All are little - # False -> Empty string. print ("· isalnum ()) (22) # isspace() print ('In Alt' isspau()) It Polse - A'is not spau print ('In'It': isspace()). # True -> only spaces: -> all whity print ('In 7(t'- ispace ()) + False -) 7 is not white space print (4n' isspace ()) It true sonly new line white line print ('In \$1t'. isspace (')) # False-) 4 is not white print ('It', isspace ()) # True - sonly tab-subitespace print (". isspace ()) # false > Empty string -> no charact print L'1. isspace () | # True -> single space-> whitespace (23) #Find outputs 11 11 - 2011 (Lomors, Enzh.) - gramou) a,b, C = 25, 10.8, 'Hyd' printla: {} It b:{} It c:{} y', format(a,b,c)) #a:25 b:10.8 c: Hyd -> # & y:-> insert value in order print l'a, foy it b; digit c, {23', format (a, b, ()) # a:25 b: LD.8: C: Hud -> explicitly index arguments print (à: {2} 1+ b: {141+ c: {0} idormatia, b, c1) # a:25 b: 10.8 c: Hud -> # positions swapped by index print ('a: {2}/t b: {2}/t C: {2}/- format (a,b,c)) # a: Hyd b: Hyd C: Hyd -> All placeholders print (a: {x3.1t b: {y} It c: {Z}' dormal (x=a; y=b; Z=c)) # a:25 b:10.8 c: Hud -> Named placeholders with match keyu print (a: {xy It b: {yy It c: {z}; to imal (z=a, y=b, x ec)), a: Hud b: 25 C: 25 -> Names assigned different values print ('a: {Zylt b: {Z} lt c: {Z}'. format (Zea. 4=b., x=c)). a : 15 h = 25 (1 25 H All alaba place hardes

Write a program to determine uses input is alphabet, digit, white space of special character. ch = input ("Enter any character:"). if the isalpha (): print ("Alpha numeric character") print (" Alphabel character") if ch. is upper (): print ("upper case alphabet") print ("lower care alphabet") print ("white space") else: n illa elsemant r elif chi is digit (): print l'Alphanumeric character") print l'special char") print (" digit character") elif ch. isspauc): (25) Wilte a program to reverse a string without slice a=input ("Enter any string:") phaseita and sold digite in another eliler = d tor i in range (1, len (a)+1): b = b+q [-i] print ("Reverse String: ", b) If Write a program to reverse order of words in the sentence without slic. a = input ("Enter a sentence": ") b = a. Split () tor i in range (1, len (b)+1): C= (tb [-i]+" print ("Reversed sentence: ", c. strip()) -

Q7) Write a program to reverse each word of the senting a= input ("Enter a sentence :") b = a.split () for word inb: C = C+ word (::-1]+ " print ("Reversed Each word: ", Costrip()) (28) Write a program do sort string in alphabets order Let input be RAJESh a = input ("Enter a string:") b = sorted (a) promondo de compando. C = 11 . join (b) print (" sorted string: ", c) (29) Write a program to sort string such that alphabels in alphabetical order and digits in ascending order. S = Enput ("Enter a string:") letter:[] digits = [] for ch in s! if ch. isalpha (); letter append (ch) elif ch. (sdigit (): digit · append (ch) letter · soit (Key = str. lower) digit . soit (key = int) sorted_string = 19. join (letters +. 1. join (digits)