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| A picture containing drawing, stop, room  Description automatically generated | Python Programming Practical  Practical #3 | | | | |
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| **Subject/Course:** | Python Programming | **Class** | | | SY BSc. IT |
| **Topic** |  | **Division** | | | C |
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| A. A pangram is a sentence that contains all the letters of the English alphabet at least once, for example: The quick brown fox jumps over the lazy dog. Your task here is to write a function to check a sentence to see if it is a pangram or not. | | | | | |
| Program :  import re  def isPangram(inputSentence):  alphabetList = 'abcdefghijklmnopqrstuvwzyx'  alphabetCount = 0  if len(inputSentence) < 26:  return False  else:  inputSentence = re.sub('[^a-zA-Z]','',inputSentence)  inputSentence = inputSentence.lower()  for i in range(len(alphabetList)):  if alphabetList[i] in inputSentence:  alphabetCount = alphabetCount+1  if alphabetCount == 26:  return True  else:  return False  print ("Sentence:")  inputSentence = input()  if (isPangram(inputSentence)):  print ("Input Sentence is a Pangram")  else:  print ("Input Sentence is not a Pangram")  Output Screen Shots : | | | | | |
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| Take a list, say for example this one:  a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89] and write a program that prints out all the elements of the list that are less than 5. | | | | | |
| Program :  print (""" The question is :-\n Take a list, say for example this one:\n  a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]\n  and write a program that prints out all the elements of the list that are less than 5.  And i will program accordingly.\n""")  test\_list= [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]  for element in test\_list:  if(int(element) <5):  print(str(element)+"\n")  Output Screen Shots : | | | | | |
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