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| A picture containing drawing, stop, room  Description automatically generated | Applied Artificial Intelligence  Practical # 1 | | |
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| **Subject/Course:** | Applied Artificial Intelligence | **Class** | M.Sc. IT – Sem III |
| **Topic** | Expert System | **Batch** | Batch 1 |
|  |  |  |  |
| **Design An Expert System using AIML** | | | |
| **An Expert system for responding the patient query for identifying the flu.**  **Program #1**  **Code:**  **Output:**  info = []  name = input("Enter Your name: ")  info.append(name)  age = int(input("Enter Your age: "))  info.append(age)  a = ["Fever", "Headache", "Tiredness", "Vomitting"]    b = ["Urinate A Lot", "Feels Thirsty", "Weight Loss", "Blurry Vision", "Feels Very Hungry", "Feels Very Tired"]    print(a,b)    symp = input("Enter Symptoms As Above Separated By Comma ")  lst = symp.split(",")  print(info)    print("Symptoms:")    for i in lst:  print(i)    if i.strip() in a:  print("You May Have Malaria")  print("Visit A Doctor")  elif i.strip() in b:  print("You May Have Diabetes")  print("Consume Less Sugar")  else:  print("Symptoms Does Not Match") | | | |
| **Program #2**  **Code:**  **Output:**  name =input("Enter your name: ")  fever =input("DO YOU HAVE fever (Y/N)").lower()  cough =input("DO YOU HAVE cough (Y/N)").lower()  sob =input("DO YOU HAVE shortness of breath (Y/N)").lower()  st =input("DO YOU HAVE sore throat (Y/N)").lower()  mp =input("DO YOU HAVE mucle pain (Y/N)").lower()  hc =input("DO YOU HAVE headache(Y/N)").lower()  #CORONA  diarrhoea=input("DO YOU HAVE diarrhoea (Y/N)").lower()  conjunctivitis=input("DO YOU HAVE conjunctivitis (Y/N)").lower()  lot=input("DO YOU HAVE Loss OF taste (Y/N)").lower()  cp=input("DO YOU HAVE chest pain or pressure (Y/N)").lower()  lsp =input("DO YOU HAVE Loss Of Speech or movement (Y/N)").lower()  if fever=="y" and cough=="y" and sob=="y" and st=="y" and mp=="y" and hc=="y":  print(name+" "+" YOU HAVE FLU")  med=input("Sir/Ma'am would you like to took at some medicine for flu(Y/N)").lower()  if med=="y":  print("disclainer contact doctor for better guidance")  print("There are four FDA-approved antiviral drugs recommended by CDC to treat flu this season")  print("1.Oseltasivir phosphate")  print("2.zonasivir ")  print("3.perasivir ")  print("4.balaxavir morboxil ")  elif diarrhoea=="y" and st=="y" and fever =="y" and cough=="y" and conjunctivitis=="y" and lot=="y":  print(name+" "+" YOU HAVE Corona")  med=input("Sir/Ma'am would you like to take at some remedi for Corona(Y/N)").lower()  if med=="y":  print("TAKE VACCINE AND QUARANTINE")  elif fever=="y" and cough=="y":  print(name+" "+" YOU HAVE Common Cold")  med= input("Sir/Ma'am would you like to take at some remedi for common cold(Y/N)").lower()  if med=="y":  print("--------------------------------------------------------------------")  print("disclainer contact doctor for better guidance")  print("--------------------------------------------------------------------")  print("Treatment consists of anti-inflammatories and decongestants\n Most prople recover on their own") print("1.Nonsteroidal anti-inflammatory drug, Analgesic, Antibistamine, Cough medicine and Deconges")  else:  print("Unable to identify") | | | |