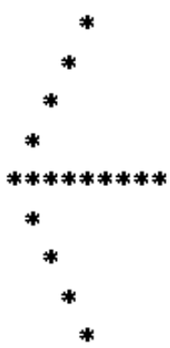
SET A

1. Write an assembly language program to check the strength of the password for a given string input. The strength is varied from weak, average, and strong. To estimate it, consider the following points:

   Criteria:
   Password should be 6 char long; It should contain 1 uppercase alphabet; It should contain a digit; and It should contain a special character from # $ *

   Decision Threshold:
   Strong → If satisfies all criteria
   Average → If satisfies three criteria
   Weak → If satisfies less than three criteria

2. Write an assembly language program to show the following pattern using loop.



3. Write an assembly language program to estimate how many unique characters are available in a given string.

SET B

1. Write an assembly language program to predict the pest severity for the following given set of parameters. The prediction is varied from High, Moderate, and No. To estimate it, consider the following points:

   Criteria:
   TempHigh (31-34), TempMin (22-23), Humidity (89-92%), RainFall (0-10), and SunShine (6-9)

   Decision Threshold:
   High → If satisfy more than three criteria
   Moderate → If satisfy three criteria
   No → If satisfy less than three criteria

2. Write an assembly language program to show the following pattern using loop.

3. Write an assembly language program to remove all the repeated characters available in a string and then check whether it is a palindrome or not.

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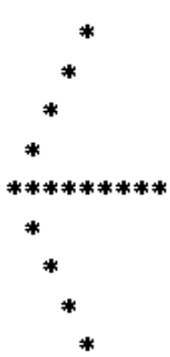

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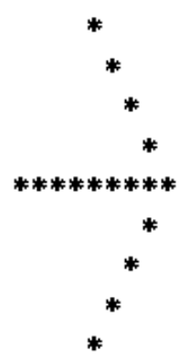

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