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        "Q11)Write a python program to find the factorial of a number.\n"
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            "enter a number:25\n",
            "1525"
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      "source": [
        "n=int(input(\"enter a number:\"))\n",
        "for i in range(1,n+1): \n",
        "    if not n%i:\n",
        "        print(i,end=\"\\\"\\\"\\n\""
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        "Q12)Write a python program to find whether a number is prime or composite"
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            "enter a number:467\n",
            "467 is not a prime number\n"
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        "num=int(input(\"enter a number:\"))\n",

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        "if num>1:\n",
        "    for i in range(2,num):\n",
        "        print(num,\"is not a prime number\")\n",
        "        break\n",
        "    else:\n",
        "        print(num,\"is a prime number\")\n",
        "elif num==0 or 1:\n",
        "    print(num,\"is neither prime nor a composite number\")\n",
        "else:\n",
        "    print(num,\"is a composite number not a prime number\")\n",
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        "Q13) Write a python program to check whether a given string is\npalindrome or not"
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                "yes\n"
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    "source": [
        "def isPalindrome(c):\n",
        "    return c==c[::-1]\n",
        "c=\"kayak\"\n",
        "ans=isPalindrome(c)\n",
        "\n",
        "if ans:\n",
        "    print(\"yes\")\n",
        "else:\n",
        "    print(\"no\")\n",
        "    "
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},
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    "import math"
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        "base:5\n",
        "height:6\n",
        "hypotenuse= 7.810249675906654\n"
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  "source": [
    "b=float(input(\"base:\"))\n",
    "p=float(input(\"height:\"))\n",
    "h=math.sqrt(b**2 + p**2)\n",
    "print(\"hypotenuse=\",h)\n"
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    "Q15)Write a python program to print the frequency of each of the characters present in a given string\n"
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        "count of all characters in MachineLearning is:\n",
        "{'M': 1, 'a': 2, 'c': 1, 'h': 1, 'i': 2, 'n': 3, 'e': 2, 'L': 1, 'r': 1, 'g': 1}\n"
      ]
    }
  ]
}

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],
"source": [
    "all_freq={}\\n",
    "test_str=\"MachineLearning\"\\n",
    "for i in test_str:\\n",
    "    if i in all_freq:\\n",
    "        all_freq[i]+=1\\n",
    "    else:\\n",
    "        all_freq[i]=1\\n",
    "print(\"count of all characters in MachineLearning is:\\n\\n\"+str
(all_freq))        \\n",
    "    \\n"
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