Python

```
1) C
2) B
3) C
4) A
5) D
6) C
7) A
8) C
```

9) A and C
 10) A and B

```
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  "11. Python program to find the factorial of a number"
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    "Enter the number:6\n",
    "Factorial of 6 is 720\n"
   ]
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  "source": [
  "import math\n",
   " \n",
   "def factorial(n):\n",
      return(math.factorial(n))\n",
  "\n",
  "n=int(input(\"Enter the number:\"))\n",
   "print(\"Factorial of\", n, \"is\", factorial(n))"
 ]
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 {
```

```
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      "Enter the number3\n",
     "3 is a prime number\n"
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   "source": [
    "num = int(input(\"Enter the number:\"))\n",
    " \n",
    "if num > 1: \n",
         for i in range(2, int(num/2)+1):\n",
             if (num % i) == 0:\n",
                 print(num, \"is not a prime number\")\n",
                 break\n",
         else:\n",
             print(num, \"is a prime number\")\n",
    "else:\n",
         print(num, \"is not a prime number\")"
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    "13. Python program to check whether a given string is palindrome or
not"
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      "Enter the string:madam\n",
     "Yes, It is a Palindrome\n"
     ]
    }
   ],
   "source": [
    "def isPalindrome(str):\n",
```

```
if str[i] != str[len(str)-i-1]:\n",
    **
                 return False\n",
        return True\n",
    "s = str(input(\"Enter the string:\"))\n",
    "ans = isPalindrome(s)\n",
    " \n",
    "if (ans):\n",
         print(\"Yes, It is a Palindrome\") \n",
    "else:\n",
         print(\"No, It is not a Palindrome\")"
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from two given sides"
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    {
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      "Enter the side 1:6\n",
      "Enter the side 2:8\n",
     "('Hypotenuse is:', 10.0)\n"
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   "source": [
    "def findHypotenuse(side1, side2):\n",
       h = (((side1 * side1) + (side2 * side2))**(1/2)); \n",
        return \"Hypotenuse is:\",h;\n",
    "\n",
    "side1 = int(input(\"Enter the side 1:\"))\n",
    "side2 = int(input(\"Enter the side 2:\")) \n",
    " \n",
    "print(findHypotenuse(side1, side2));"
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   "15. Python program to print the frequency of each of the characters
present in a given string"
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for i in range(0, int(len(str)/2)): \n ",

```
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  "metadata": {},
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    "name": "stdout",
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    "Enter the string:bharath\n",
    "Frequency of each character :\n",
    " {'b': 1}\n",
    "Frequency of each character :\n",
     " {'b': 1, 'h': 1}\n",
    "Frequency of each character :\n",
     " {'b': 1, 'h': 1, 'a': 1}\n",
    "Frequency of each character :\n",
     " {'b': 1, 'h': 1, 'a': 1, 'r': 1}\n",
    "Frequency of each character :\n",
     " {'b': 1, 'h': 1, 'a': 2, 'r': 1}\n",
    "Frequency of each character :\n",
    " {'b': 1, 'h': 1, 'a': 2, 'r': 1, 't': 1}\n",
    "Frequency of each character :\n",
       {'b': 1, 'h': 2, 'a': 2, 'r': 1, 't': 1}\n"
    1
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 ],
  "source": [
  "strZ = str(input(\"Enter the string:\"))\n",
   "\n",
  "for keys in strZ:\n",
       res[keys] = res.get(keys, 0) + 1\n",
       print(\"Frequency of each character :\\n \",res)"
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