Code these Pseudocode Solutions

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|  | Pseudocode (Different styles used) | Python Code |
| 1 | SEND ‘Hello World’ to DISPLAY |  |
| 2 | RECEIVE Name FROM KEYBOARD SEND ‘Hello’ Name to DISPLAY |  |
| 3 | GET an integer number FROM THE USER  DISPLAY number  DISPLAY number X 3 |  |
|  | **Hints ( +, -, \*, /) Power: \*\* Modulus: %** |  |
| 4 | GET two integers from user (n1 and n2)  CALCULATE n1 + n2  DISPLAY the numbers and the answer |  |
| 5 | GET two integers from user (n1 and n2)  CALCULATE n1 - n2  DISPLAY the numbers and the answer |  |
| 6 | GET two integers from user (n1 and n2)  CALCULATE n1 X n2  DISPLAY the numbers and the answer |  |
| 7 | GET two integers from user (n1 and n2)  CALCULATE n1 divided by n2  DISPLAY the numbers and the answer |  |
| 8 | GET two integers from user (n1 and n2)  CALCULATE n1 raised to the power of n2  DISPLAY the numbers and the answer |  |
| 9 | GET two integers from user (n1 and n2)  CALCULATE remainder of n1 divided by n2 (Modulus)  DISPLAY the numbers and the answer |  |

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|  | Pseudocode (Different styles used) | Python Code |
| 10 | SET nice\_feature TO ‘lovely smile’  RECEIVE name FROM keyboard  SET message TO name + ‘has a ‘ + nice\_feature  SEND message to DISPLAY |  |
|  | **Repeat a string: print('Novill is king ' \* 3)**  **Line break and tab: \n \t** |  |
| 11 | GET user’s name (name)  OUTPUT ‘name’ 5 times on the same line |  |
| 12 | GET user’s name (name)  OUTPUT ‘name’ 5 times on the separate lines |  |
| 13 | ASK user for a 3 digit number (num)  CALCULATE whole = num / 7  CALCULATE whole = integer value of whole  CALCULATE remainder = num % 7  OUPUT num, whole and remainder with a suitable message |  |

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|  | Pseudocode (Different styles used) | Python Code |
|  | **Hints:**  **if name == 'Andy':**  **print(name + ' has lovely ears')**  **and**  **if n>7:**  **print('Pass')**  **else:**  **print('Fail')** |  |
| 14 | GET password FROM keyboard  IF password = “MADDOCK” THEN  OUTPUT “Correct password”  ENDIF |  |
| 15 | GET num FROM user  CALCULATE y = num % 2  IF y=0 THEN  OUTPUT “Even”  ELSE  OUTPUT “Odd”  ENDIF |  |
|  | **for x in range(1,10):**  **print(x)** |  |
| 16 | ASK user for times table (t)  FOR x FROM 1 TO 13  OUTPUT t \* x  END FOR |  |
| 17 | FOR n1 FROM 1 TO 13  FOR n2 FROM 1 TO 13  OUTPUT n1, ‘X’, n2, ‘=’, n1\*n2  END FOR  END FOR |  |

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|  | Pseudocode (Different styles used) | Python Code (Incomplete) |
| 18 | SET x=0  SET y=0  WHILE x < 10  SET x = x + 1  SET y = x ^ 2  SEND x,”squared =”,y to DISPLAY  END WHILE |  |
| 19 | SET c = 0  WHILE c not = 9  OUTPUT ‘What do you want to know?’  OUTPUT ‘1 – Next week’s lottery winners’  OUTPUT ‘2 – The secret of life’  OUTPUT ‘9 – Exit program’  GET user’s choice (c)  IF c=1 THEN  OUTPUT ‘You pressed 1’  ELSEIF c=2 THEN  OUTPUT ‘You Pressed 2’  ELSEIF c=9 THEN  OUTPUT ‘Goodbye’  ENDIF  END WHILE | c=0  while c!= 9 :  print("What do you want to know?")  print("1 – Next week’s lottery winners")  print("2 - The secret of life")  print("9 - Exit")  c=int(input('Enter your choice'))  if c==1:  #Your code here  elif c==2:  #Your code here  elif c==9:  print('Goodbye') |

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|  | Pseudocode | Python Code (Incomplete) |
| 20 | IMPORT random module  PROCEDURE Lottery ()  BEGIN PROCEDURE  OUTPUT 6 random numbers between 1 and 59  END PROCEDURE  PROCEDURE Mol ()  BEGIN PROCEDURE  OUTPUT 42  END PROCEDURE  SET c = 0  WHILE c not = 9  OUTPUT ‘What do you want to know?’  OUTPUT ‘1 – Next week’s lottery winners’  OUTPUT ‘2 – The secret of life’  OUTPUT ‘9 – Exit program’  GET user’s choice (c)  IF c=1 THEN  Lottery()  ELSEIF c=2 THEN  Mol()  ELSEIF c=9 THEN  OUTPUT ‘Good bye’  ENDIF  END WHILE | import random  def Lottery():  #Your code here  def Mol():  #Your code here  c=0  while c!= 9 :  print("What do you want to know?")  print("1 – Next week’s lottery winners")  print("2 - The secret of life")  print("9 - Exit")  c=int(input('Enter your choice'))  if c==1:  Lottery()  elif c==2:  #Your code here  elif c==9:  print('Goodbye') |