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| --- | --- | --- | --- | --- | --- |
| Sr No | Date | Aim | Grade | Sign | Remarks |
| 1 |  | 1. Write a simple program in python for find factorial. 2. Write a simple program in python for no is prime or not. 3. Write a simple program in python for generate Fibonacci series of given no. 4. Write a simple program in python for reverse of given string. 5. Write a simple program in python find substring from given string. 6. Write a simple program in python for display below pattern.   1  2 2  3 3 3 |  |  |  |
| 2 |  | 1. Write a Program to accept a number and print sum of it’s digits in PYTHON. 2. Write a program to accept a number from user and check it it is Armstrong number or not i.e. 153 = 1^3 + 5^3 + 3^3 = 153 in PYTHON. 3. Write a program to accept a no from user and print that no in words in PYTHON. 4. Write a program to accept a number n from user and then accept n array elements from user, sort no and print sorted array, positive & Negative numbers separately in PYTHON. 5. Write a program to accept two m X n matrices and print their addition and multiplication in PYTHON. 6. Write a program to accept a number and convert in to binary, hexadecimal, octal in PYTHON. |  |  |  |
| 3 |  | 1. To implement a quick sort algorithm in python. 2. To implement doubly linked list algorithm in python. 3. To implement tower of Hanoi in PYTHON. |  |  |  |
| 4 |  | Define and Explain Eclipse IoT Project. |  |  |  |
| 5 |  | List and summarize Eclipse IOT Projects. |  |  |  |
| 6 |  | Sketch the architecture of IoT Toolkit and explain each entity in brief. |  |  |  |
| 7 |  | Write and explain working of an HTTP- to-CoAP semantic mapping proxy in IoT toolkit. |  |  |  |
| 8 |  | Describe gateway-as-a-service deployment in IoT toolkit. |  |  |  |
| 9 |  | Explain application framework and embedded software agents for IoT toolkit. |  |  |  |
| 10 |  | Demonstrate a smart object API gateway service reference implementation in IoT toolkit. |  |  |  |
| 11 |  | Explain working of Raspberry Pi. |  |  |  |
| 12 |  | Give overview of Zetta. |  |  |  |
| 13 |  | Simple application of IoT project. |  |  |  |