| Task 1.1 | Create a function named power that takes two integers n and m as input and returns the square of variable n when m is odd and returns cube of n when m is even. | |
|---|---|---|
| **Test Cases** | Input | Return Value |
| | n = 2, m = 12 | 8 |
| | n = 9, m = 1 | 81 |
| | n = 3, m = 0 | 27 |
| Task 1.2 | Given an integer array as input. Use power function from Task 1.1 to print squares and cubes for each element in this array based on their location (array index). | |
| **Test Cases** | Input | Expected Output |
| | {4, 3, 10} | 4 Cube = 64<br>3 Square = 9<br>10 Cube = 1000 |

| Task 1.3 | Given an integer array as input. Use power function from Task 1.1 to print sum of alternate element's cube and square in this array. | |
|---|---|---|
| **Test Cases** | Input | Expected Output |
| | {3, 4} | 43 |
| | {8, 6, 9} | 1277 |

| Task 2.1 | Create a function named moveChar that takes two inputs – a string and a character. You have to return a new string with all the occurrences of input character shifted to the end. | |
|---|---|---|
| **Test Cases** | Input | Expected Output |
| | "hello", 'l' | "heoll" |
| | "trisect", 't' | "risectt" |
| Task 2.2 | Given a string array as input. Use moveChar function from Task 2.1 on each element of this array. For each string use its first character and move all its occurrences to the end string. | |
| **Test Cases** | Input | Expected Output |
| | {"dad", "car", "tiptop"} | {"add", "arc", "ipoptt"} |