NAME :- VERMA SANDEEP RAMPAL

MASTER DATA STRUCTURE AND ALGORITHM WITH C++

**DAY-3 ASSIGNMENT**

**n = 5** *//no. of items.*

**k = 3** *//no. of people.*

Cost of items in the Form of Array [ 1, 3, 5, 7, 9]

To Find :- Minimum cost = ?

Solution :-

Using Greedy Algorithm,

|  |  |  |
| --- | --- | --- |
| A | (0 + 1)\*1 + (1 + 1)\*7 | 15 |
| B | (0 + 1)\*3 + (1 + 1)\*9 | 21 |
| C | (0 + 1)\*5 | 5 |
| Minimum Cost | | 41 |

The Minimum Cost in the above problem is **Rs. 41**