

## OUTPUT:

Viddeshs-Air:prac4 viddeshgharpure\$ java prac4

Enter n:: 7

$Z_7^* = \{1, 2, 3, 4, 5, 6\}$

$\phi(7) = 6$

Cyclic group generated::

	i = 1	i = 2	i = 3	i = 4	i = 5	i = 6
a = 1	1	1	1	1	1	1
a = 2	2	4	1	2	4	1
a = 3	3	2	6	4	5	1
a = 4	4	2	1	4	2	1
a = 5	5	4	6	2	3	1
a = 6	6	1	6	1	6	1

Primitive Roots:: 3 5