

OUTPUT:

Viddeshs-MacBook-Air:prac4 viddeshgharpure\$ java prac4

Enter n:: 6

Number is not prime. Enter again:: 8

Number is not prime. Enter again:: 5

$Z_5^* = \{1, 2, 3, 4\}$

$\phi(5) = 4$

Cyclic group generated::

	i = 1	i = 2	i = 3	i = 4
a = 1	1	1	1	1
a = 2	2	4	3	1
a = 3	3	4	2	1
a = 4	4	1	4	1

Primitive Roots:: 2 3