**6.PRIME:-**

**RECURSIVE:-**

#include <stdio.h>

int primeno(int, int);

int main()

{

int num, check;

printf("Enter a number: ");

scanf("%d", &num);

check = primeno(num, num / 2);

if (check == 1)

{

printf("%d is a prime number\n", num);

}

else

{

printf("%d is not a prime number\n", num);

}

return 0;

}

int primeno(int num, int i)

{

if (i == 1)

{

return 1;

}

else

{

if (num % i == 0)

{

return 0;

}

else

{

return primeno(num, i - 1);

}

}

}

