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| Program  9.1 | Write a C program to check if the entered number is prime or not by using types of  user defined functions  (i) No arguments passed and no return value  (ii) No arguments passed but a return value  (iii) Argument passed but no return value  (iv) Argument passed and a return value |
| Algorithm: | Step 1: Start  Step 2: Prime()  Step 2a: Input a number.  Step 2b:IF i<=n THEN GOTO Step 2c  Step 2c:IF i%2==0 THEN Print prime  ELSE print not prime  ENDIF  Step 2d:i++  Step 3:Stop |
| Flowchart: |  |
| Code: | 1) |

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| Code 2 |  |
| Code3 |  |

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| Output 3 |  |
| Code 4 |  |