|  |  |
| --- | --- |
| Assignment 1012 | |
| Name | Tamarraw Redfern |
| Date | October 22nd Class |
| Assignment | 1. Read a number from user and check if it is even or odd number. 2. Write algorithm and the java program 3. For the below variable write java code to print as per the comments below:   String name="Meganadh";  String work="Trainer";  int exp = 15;    //This is Meganadh a trainer with 15 years exp.    //This is Meganadh a trainer with exp 15    //Meganadh a trainer having exp 15   1. Read a number from user and check if it is prime or not prime. 2. Write the algorithm and the java program   //make sure to write comments as explained.   1. Read a number from user and print the multiplication table of the given number.   Example : 8  Output :  8x1=8  8x2=16  8x10=80   1. Write algorithm and the java program.      1. Read a number from user and print the factors of the number.   Example : 8  Output : 1,2,4,8   1. Write algorithm and the java program. |

|  |
| --- |
| 1. **Read a number from user and check if it is even or odd number** |
| **Algorithm** |
| read n  if n2% is even print even  else print odd |
| **Java Program** |
|  |
| **Output** |
|  |

|  |
| --- |
| 1. Write java code to print as per the comments below: |
| String name="Meganadh";  String work="Trainer";  int exp = 15;    //This is Meganadh a trainer with 15 years exp.  //This is Meganadh a trainer with exp 15  //Meganadh a trainer having exp 15 |
| Java Code |
|  |
| Output |
|  |

|  |  |  |
| --- | --- | --- |
| 1. **Read a number from user and check if it is prime or not prime** | | |
| **Algorithm** | | |
| read n  count=0  for i=1 to n step 1  if n is divisible by i  increase count by 1  if count=2 print prime  else print not prime | | |
|  | | |
| **Output** | | |
|  | | |
| 1. **Read a number from user and print the multiplication table of the given number. Write algorithm and java program.** | | |
| **Algorithm** | |
| read n  for i=1 to 10 step 1  print nxi=n\*1 | |
| **Java Program** |
|  | | |
| **Output** | |
|  | | |
| 1. **Read a number from user and print the factors of the number** | | |
| **Algorithm** | | |
| Read n  for i=1 to n step 1  if n is divisible by i  print i | | |
| **Java Program** | | |
|  | | |
| **Output** | | |
|  | | |