

PROGRAMS ON PACKAGES

1. Create an interface with methods `add ()` and `sub ()` in a package called 'pack1'. Create another package 'pack2' with an interface with methods `multiply ()` and `divide ()`. Write a main class to perform arithmetic operations on integer numbers by implementing both the interfaces.
2. Write a program to demonstrate the knowledge of students in working with user-defined packages and sub-packages. Eg., Within the package named 'primespackage', define a class `Primes` which includes a method `checkForPrime()` for checking if the given number is prime or not. Define another class named `TwinPrimes` outside of this package which will display all the pairs of prime numbers whose difference is 2. (Eg, within the range 1 to 10, all possible twin prime numbers are (3,5), (5,7)). The `TwinPrimes` class should make use of the `checkForPrime()` method in the `Primes` class.