

```
Prime number (p) : 1987
Prime number (q) : 1999
First part of public key (n) : 3972013
Totient value : 3968028
Enter exponent value in the range  $1 < e < \text{totient}(n)$ 
1231
Public key : 3972013    1231
Private key : 315895

Enter the message for RSAtest

BearcatII conversion : 397838
RSA Encrypted Code : 2546251
RSA Decrypted Code : 397838

The decrypted message is 'test'
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Process exited after 45.25 seconds with return value 0
Press any key to continue . . .
```

```
Prime number (p) : 1987
Prime number (q) : 2003
First part of public key (n) : 3979961
Totient value : 3975972
Enter exponent value in the range  $1 < e < \text{totient}(n)$ 
1801
Public key : 3979961    1801
Private key : 668917

Enter the message for RSAport

BearcatII conversion : 326369
RSA Encrypted Code : 3060388
RSA Decrypted Code : 326369

The decrypted message is 'port'
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Process exited after 11.49 seconds with return value 0
Press any key to continue . . .
```

```
Prime number (p) : 1999
Prime number (q) : 2003
First part of public key (n) : 4003997
Totient value : 3999996
Enter exponent value in the range  $1 < e < \text{totient}(n)$ 
2017
Public key : 4003997    2017
Private key : 182449

Enter the message for RSArat

BearcatII conversion : 13169
RSA Encrypted Code : 3182624
RSA Decrypted Code : 13169

The decrypted message is 'rat'
-----
Process exited after 8.819 seconds with return value 0
Press any key to continue . . .
```

```
Prime number (p) : 2003
Prime number (q) : 1999
First part of public key (n) : 4003997
Totient value : 3999996
Enter exponent value in the range  $1 < e < \text{totient}(n)$ 
2019
Exponent value is a factor of 'n'. Enter a exponent value in the range  $1 < e < \text{totient}(n)$ 
2011
Public key : 4003997    2011
Private key : 546991

Enter the message for RSAbell

BearcatII conversion : 43347
RSA Encrypted Code : 970414
RSA Decrypted Code : 43347

The decrypted message is 'bell'
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Process exited after 47.22 seconds with return value 0
Press any key to continue . . . ■
```