* Writ a program that Asks the user to enter his age and print “you are a teenager” if the age is less than 18 and if his age bigger than 18 print “ you are an adult” and if his age is greater than 40 print “ you are old “

**Trace the following (what is the out put ) :**



* Where possible, write equivalents for the following statements using **compound** **assignment** **operators**:
	+ r = r / 10; 🡺
	+ z = z \* x + 1; 🡺
	+ q = q + r \* m; 🡺
* Assume the following:

int j = 6; int k = 10; int n; bool b = false;

**Give the value that is assigned, or illegal.**

|  |  |  |
| --- | --- | --- |
| 1. n = k++;
 | 1. n = k++ + ++j;
 | 1. n = (k = j) = 5;
 |
| 1. n = (k++);
 | 1. n = k+++++j;
 | 1. 3 = 4;
 |
| 1. n = ++k;
 | 1. n = k = j = 5;
 | 1. n = k; n += 1;
 |
| 1. n = 7++;
 | 1. n = k = (j = 5);
 |  |