



Answer of Q1:

- 1.1 (F)
- 1.2 (T)
- 1.3 (T)
- 1.4 (T)
- 1.5 (F)

Answer of Q2:

2.1 $Z = ATN(ABS(X^2 * LOG(SQR(ABS(X))))),$

2.2 **IF TAN(X-Y)=0 THEN X=Y**

IF C=1 THEN Z = COS(ABS(X)^1.5)

IF C=2 THEN Z = COT(ABS(X)^1.5)

2.3 $CP = (Ax * By - Ay * Bx)$

PRINT " CP="; CP ; "k"

PRINT " _ _"

Answer of Q3:

Write the priority of the following *BASIC* expressions, hence, find the result:

(Note: A=-9 B= 1 C=2 Y= FALSE Z= TRUE)

3.1

$$\begin{array}{cccccc} \text{EXP} & (& \text{A} & + & \text{C} & / & \text{B} & - & \text{A} & / & (& \text{C} & - & \text{B} &) &) \\ \downarrow & & & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & & \\ \textcircled{6} & & & & \textcircled{4} & & \textcircled{2} & & \textcircled{5} & & \textcircled{3} & & \textcircled{1} & & & \end{array}$$

The result is 7.389056

3.2

$$\begin{array}{cccccc} \text{C} & + & \text{B} & * & (& \text{LOG}(\text{B}) & + & \text{SQR} & (& \text{ABS}(\text{A}) &) &) \\ \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \\ \textcircled{6} & & \textcircled{5} & & \textcircled{2} & & \textcircled{4} & & \textcircled{3} & & \textcircled{1} & & \end{array}$$

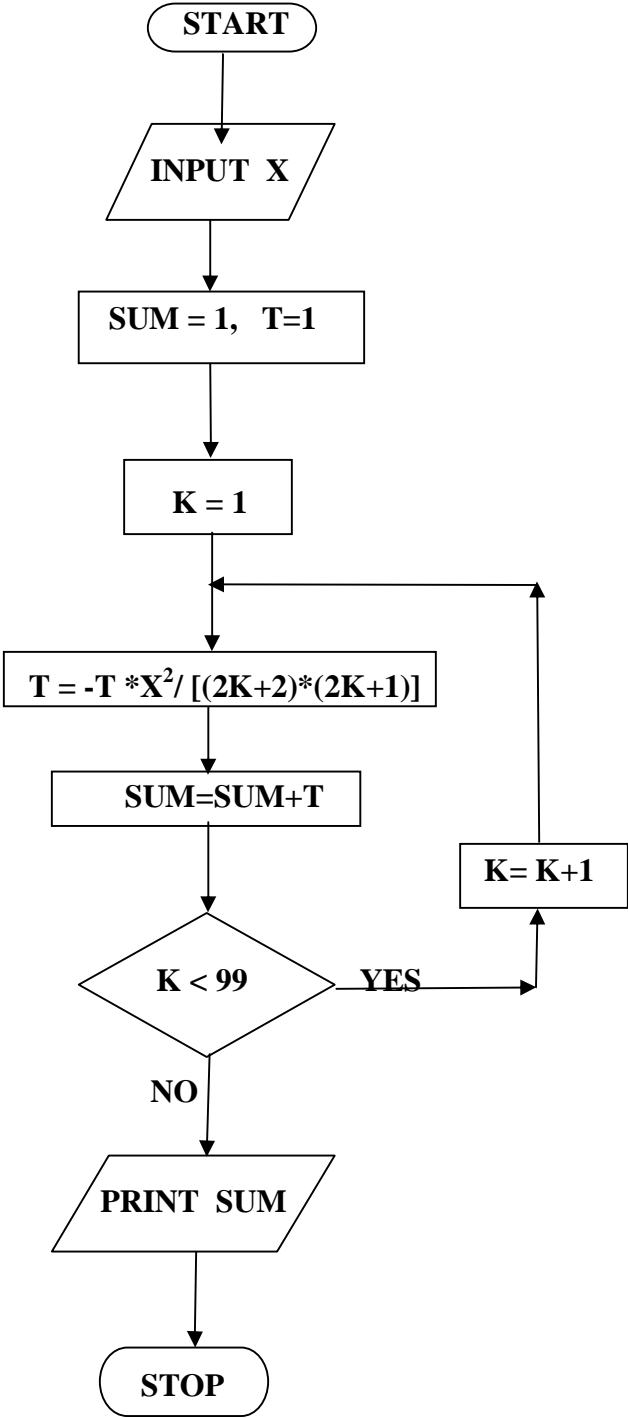
The result is 5

3.3

$$\begin{array}{cccccc} \text{A} & + & \text{B} & / & \text{C} & - & \text{ABS} & (& \text{A} & / & (& \text{B} & - & \text{A} &) &) \\ \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & & \\ \textcircled{5} & & \textcircled{4} & & \textcircled{6} & & \textcircled{3} & & \textcircled{2} & & \textcircled{1} & & & & & \end{array}$$

The result is -9.4

Answer of Q4:



Answer of Q5:

5.1 This program computes:

3! , 2! , 4! and 5!

5.2 The outputs are :

3!=6
2!=2
4!=24
5!=120

مع دعواتي بالتفوق د / كارم محمود عويس