How to identify Calculator is Programmable or Non-Programmable Calculator ?

vrcworks.net/blog/how-to-identify-calculator-is-programmable-or-non-programmable-calculator/

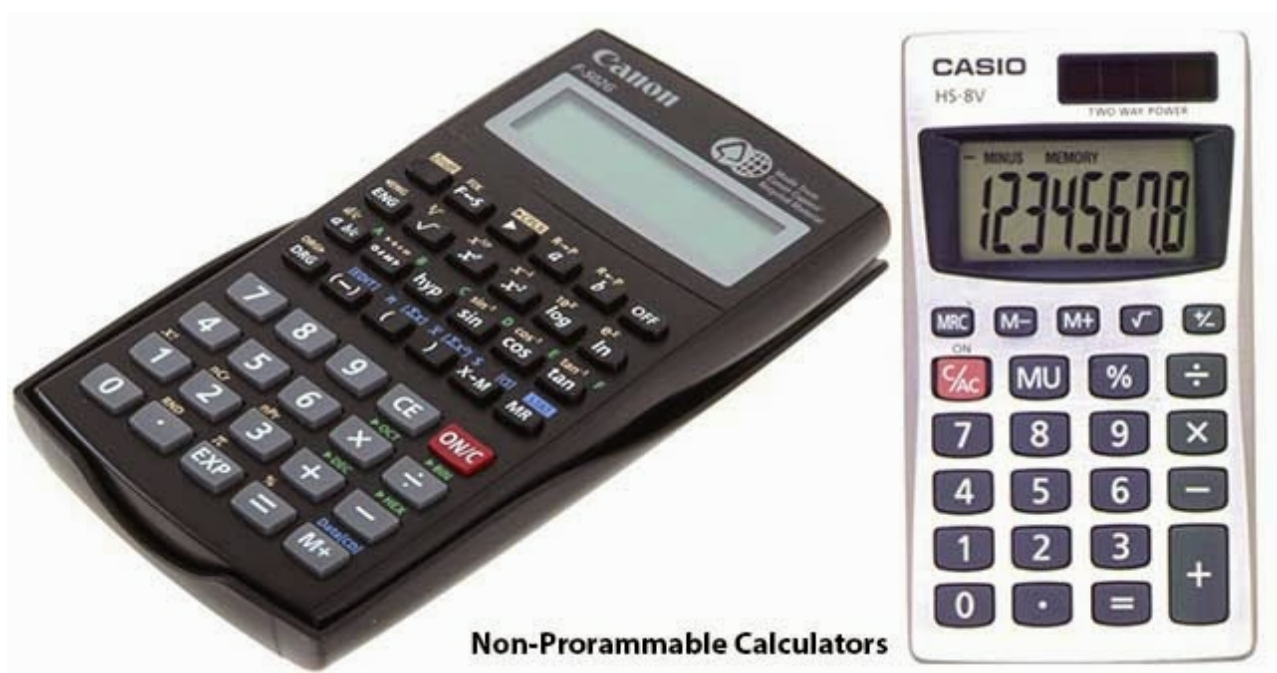Vinodh Reddy Chennu   May 13, 2018

Some competitive examinations allow the candidates for the use of a calculator but may permit to use the only calculator of non-programmable type.

Calculators that are NOT programmable:

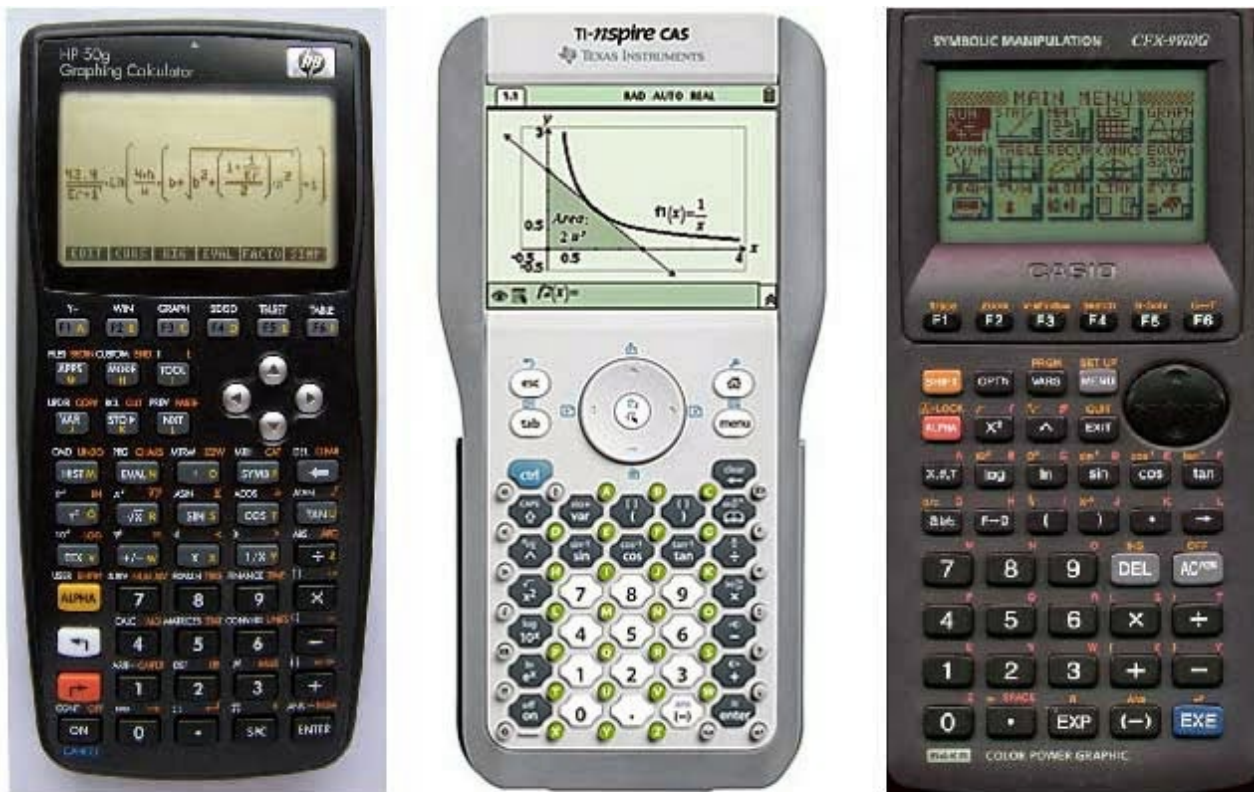This is what a non-programmable calculator looks like.

Non-Prorammable Calculators

List of few non-programmable calculators of some famous brands like Casio, Sharp, Texas Instruments, Hewlett-Packard.

CASIO		SHARP	OTHER BRANDS	
fx-82 AU	fx-100	EL-350MS	ABACUS	SX-II MATRIX
fx-82 AU PLUS	fx-100 AU	EL-506H	CANON	F717SGA
fx-82 AU PLUS II	fx-100 AU PLUS	EL-509L		F720
fx-82 D	fx-100 D	EL-509R		F720i
fx-82 ES	fx-100 S	EL-509V	CEBAR	CD-402
fx-82 ES PLUS	fx-115 S	EL-509VM	CITIZEN	SR-135
fx-82 L	fx-115 WA	EL-509W		SR-260
fx-82 LB	fx-122 S	EL-509WS		SR-270
fx-82 MS	fx-220	EL-509X	HEWLETT PACKARD	HP 8S
fx-82 NASER	fx-220 PLUS	EL-510R		HP 9S
fx-82 PLUS	fx-270 MS	EL-520VA		HP 10S
fx-82 SX	fx-270 W PLUS	EL-520WG		HP 10S+
fx-82 SUPER	fx-300 ES	EL-531HA		HP 300S
fx-82 TL	fx-300 MS	EL-531GH	INSYSTEM	IN-82SC
fx-83 ES	fx-300 W	EL-531LH	JASTEK	JasCS1
fx-83 ES PLUS	fx-350 ES	EL-531RH	KENKO	KK 82-TL
fx-83 GT PLUS	fx-350 ES PLUS	EL-531V		KK 87-MS
fx-83 MS	fx-350 HB	EL-531VH		KK 350-TL
fx-83 WA	fx-350 MS	EL-531W	KLT	FG-82BL
fx-85 ES	fx-350 TL	EL-531WH	OFFICE ONE	720
fx-85 ES PLUS	fx-550	EL-531XH		3000
fx-85 GT	fx-550 S	EL-533V	RADIOSHACK	EC-4032
fx-85 GT PLUS	fx-570 AD	EL-533X	RSB	FB 350MS
fx-85 MS	fx-570 S	EL-546VA		FB-350MS
fx-85 SA	fx-580	EL-W531	SCHOLAR	DS-82MS
fx-85 W	fx-820 MS	EL-W531G		KD-350MS
fx-85 WA	fx-901	EL-W531H	TANDY	EC-4032
fx-92	fx-911 W	EL-W531HA	TEXAS INSTRUMENTS	TI 30ECO RS
fx-95 MS	fx-911 WA	EL-W531HAB		TI 30SLR
fx-96 SG PLUS	fx-911 Z	EL-W531XH		TI 30XA
	fx-991 WA	EL-W532XH		TI-30XB MultiView
	fx-992 S			TI 30X IIB
	HL4			TI 30X IIS
	X INNUO FN-350TL			TI-34 MultiView
				TI 36X Solar
				TI 40 College II
			TEXET	Albert2 (TX-842)
				Albert3 (TX-890)
				Albert5 (TX-895)
				fx1000
			UBT	FA-83W

This list doesn't end here, you can read in the comments section at the end of this blog post to know more models that are non-programmable.

Calculators that are Programmable:

Programmable calculators can automatically carry out a sequence of operations under control of a stored program, much like a computer.

Programmable Calculators

Examples of programmable calculators are shown in the picture. This calculator runs on a Computer Algebra System (CAS). A CAS helps to make certain complicated algebraic functions automatic and less tedious. As you can see, these calculators also have graphing capabilities. A calculator with graphing capabilities is most likely to be programmable. The easy way to tell if the calculator has graphing capabilities is by looking at the larger screen that would be found on a scientific calculator.

Features of the Programmable calculator:

1. These calculators are capable of storing text or alphanumeric data input by a user.
2. These calculators are capable of storing, manipulating or graphing functions entered in the symbolic form.
3. These programmable calculators are capable of performing operations such as differentiation, definite integration, algebraic expressions, binomial expansion, symbolic differentiation and the solution to a system of equations.
4. These calculators are also capable of external communication or Internet connectivity.

The main difference between a programmable and non-programmable calculator is there is no function button on the non-programmable calculator. Another difference that can be noticed on non-programmable calculators have no *matrix* or *vector* functions.