

Assignment 1

Introduction to Management Information System

Course Code: MIS 101

Submitted To

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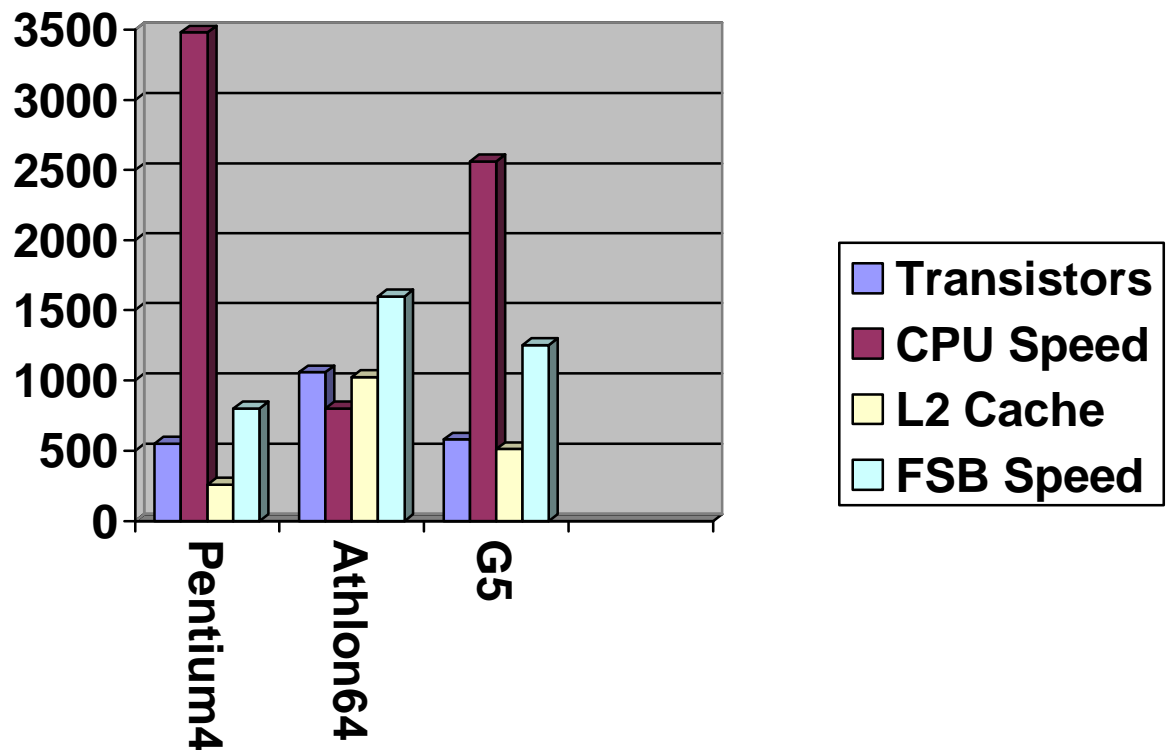
Ques.

Which company produces the fastest microprocessor? If possible, show it in graph.

Ans.

Below is a chart that compares and contrasts important features found on some of the more popular chips in the market today.

	Transistors	CPU Speed	L2 Cache	Front-Side Bus Speed
Celeron	7,500,000	1.06 GHz - 2 GHz	256 KB, full speed	133 MHz & 400 MHz
Pentium II	7,500,000	233 MHz - 450 MHz	512 KB, half speed	100 MHz
Pentium III	9,500,000	450 MHz - 1 GHz	256 KB, full speed	133 MHz
Pentium III Xeon	28,100,000	500 MHz - 1 GHz	256 KB - 2 MB, full speed	100 MHz
Pentium 4	55,000,000	1.4 GHz - 3.4 GHz	256 KB, full speed	800 MHz
K6-II	9,300,000	500 MHz - 550 MHz	N/A	100 MHz
K6-III	21,300,000	400 MHz - 450 MHz	256 KB, full speed	100 MHz
Athlon (K7)	22,000,000	850 MHz - 1.2 GHz	256 KB, full speed	200 MHz & 266 MHz
Athlon XP	37,500,000	1.67 GHz	384 KB, full speed	266 MHz
Duron	N/A	700-800 MHz	64 KB, full speed	200 MHz
PowerPC G3	6,500,000	233 MHz - 333 MHz	512 KB, 1 MB, half speed	100 MHz
PowerPC G4	10,500,000	400 MHz - 800 MHz	1 MB, half speed	100 MHz
Athlon 64	105,900,000	800 MHz	1 MB, half speed	1.6 GHz
G5	58,000,000	2.5GHz	512 KB	900MHz - 1.25GHz



Here, Pentium 4 performs the highest CPU Speed, though other variables are not. Here, CPU speed has given the highest preference.

Therefore, from the graph and chart we can say Pentium 4 is the best processor.

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http://www.webopedia.com/quick_ref/processor.asp