Question: How is the following string stored on the computer using binary. Avinash 40

Answer: String "Avinash 40" consists of 10 characters, each having an ascii value

ASCII VALUE in DECIMAL NUMBERING SYSTEM (base 10) => human readable 65 118 105 110 97 115 104 52 48

ASCII VALUE in BINARY NUMBERING SYSTEM (base 2) => computer readable/writable 1000001 1110110 etc.

## Formula to Convert 65 to decimal

No Division				Result	Remainder
1.	65	/	2	32	1
2.	32	/	2	16	0
3.	16	/	2	8	0
4.	8	/	2	4	0
5.	4	/	2	2	0
6.	2	/	2	1	0
7.	1	/	2	0	1

## Formula to Convert 118 to decimal

No Division	Result	Remainder
1.118/2	59	0
2. 59/2	29	1
3. 29 / 2	14	1
4. 14/2	7	0
5. 7/2	3	1
6. 3/2	1	1
7. 1/2	0	1
etc.		