

HTTP Tutorial Questions

Question 1

Explain the meaning of the text on each line of the two HTTP messages below. First message:

```
GET /local/list.txt HTTP/1.1
Accept: text/*
Host: www.inf.kcl.ac.uk
```

Second message:

```
HTTP/1.0 200 OK
Content-type: text/plain
Content-length: 51
```

Item 1 (notice empty line before this one)
Item 2

Question 2

A file named desirable.doc is stored in directory **/home/web/department/resources** on a host with IP address **137.73.9.232/23**. The domain names **www.smiles.ac.uk** and **all.smiles.ac.uk** both resolve to this IP address. On the host, HTTP server software is running on TCP port **9090**. This software is configured to map virtual host **www.smiles.ac.uk** to document root **/home/web/department/main** and **all.smiles.ac.uk** to document root **/home/web**. Write an HTTP URL for the file desirable.doc.

Question 3

Translate the following sequence of hexadecimal numbers using base64 encoding:

- a) 48
- b) 48, 65
- c) 48, 65, 6C

base64 encoding table

0	A	8	I	16	Q	24	Y	32	g	40	o	48	w	56	4
1	B	9	J	17	R	25	Z	33	h	41	p	49	x	57	5
2	C	10	K	18	S	26	a	34	i	42	q	50	y	58	6
3	D	11	L	19	T	27	b	35	j	43	r	51	z	59	7
4	E	12	M	20	U	28	c	36	k	44	s	52	0	60	8
5	F	13	N	21	V	29	d	37	l	45	t	53	1	61	9
6	G	14	O	22	W	30	e	38	m	46	u	54	2	62	+
7	H	15	P	23	X	31	f	39	n	47	v	55	3	63	/