AES analysis

No	Key	Text	Time
1	16 byte	8bytes	0.042s
2	16 byte	16bytes	0.045s
3	16 byte	32bytes	0.048s
4	16 byte	64bytes	0.053s
5	16 byte	128bytes	0.067s
6	16 byte	256bytes	0.115s
7	16 byte	512bytes	0.181s
8	16 byte	1024bytes	0.293s
9	16 byte	2048bytes	0.538s
10	16 byte	4096bytes	1.084s

No	Key	Text	Time
1	16 byte	10240 bytes	2.598s
2	32 byte	10240 bytes	4.632s

DES analysis

No	Key	Text	Time
1	64 bit	8bytes	`0.0049s`
2	64 bit	16bytes	`0.010117s`
3	64 bit	32bytes	`0.018633s`
4	64 bit	64bytes	`0.042616s`
5	64 bit	128bytes	`0.083023s`
6	64 bit	256bytes	`0.167183s`
7	64 bit	512bytes	`0.302422s`
8	64 bit	1024bytes	`0.622472s`
9	64 bit	2048bytes	`1.162953s`
10	64 bit	4096bytes	`2.359076s`

RSA analysis

No	Key_length	Message Length	Time
1	4 byte	2 bytes	0.027s
2	8 byte	4 bytes	0.034s
3	12 byte	6 bytes	0.067s
4	16 byte	8 bytes	0.127s
5	20 byte	10 bytes	0.217s
6	24 byte	12 bytes	1.712s
7	28 byte	14 bytes	30.027s
8	32 byte	16 bytes	160.123s
9	36 byte	18 bytes	250.342s
10	40 byte	20 bytes	1021.231s

Conclusion

- Change in single character of input shows drastic changes in output

- AES is the fastest amongst all

- RSA can be used for digital signature and for asymmetric encryption as well