```
Question 1
Peop of Success = P = 0.1
Number of Attempts = N = 6
Number of Successes = x = 2.
0.01 (0.9)4
\frac{n(x = n!)}{x!(n-x)} \times 0.06561
15 $ 0.006561
 = 0.098415
 = 9.84%
Question 2. - Whoms the peop of killing at most there enemies out of Cox.
Prob of Success = P= 0.1
Number of Attempts: 10 = 6
Number of Success At most = x = 3.
nCx.px.(1-p) n-x
0-11 (1-0-1)6-1
= 0.1 (0.9)5
= 6 * 00059049
= 0.6354294.
= 35.4%.
0.001 (0.9)
                   * 0.000729.
 20 + 0.000 729
 = 0.01458
 = 1.458%
Pedadoility of 1 = 0.354294
Probability of 3 = 0.01458
Pedophility of 3 = 0.354294
                  0.098415
                0.01458
```

Question 3: - Whats the maximum number of enemies we can kill with 90% probabilisty $nC_{x} \cdot \rho^{x} \cdot (1-\rho)^{n-\kappa}$			
		90% = 0.1x (1-0.1)6-x	
x > Log (0.1) / Log (0.9) = 21.85			
x = Logs (21.85)			
x= 1.7213			
X=1 Enemy.			
Question Sii - Suppose there is only one en	eny and two Success Shots Can kill the enemy. Each		
Shot has a 10% Chance of Success.	eny and two Success Shots (an kill, the enemy. Each How many times do you need to shoots to kill with 60% peop		
Shooting success Rate =0.18	P(S) = Success on Every Attempt = $10/100 = 0.1P(F)$ Peops of failure = 0.9		
0 (, OK (, \n-k	P(+) Peds of failure = 0.9		
P= GK PK (1-P)n-k	(1-(80/))		
= [k = 0	$0.9^{\circ} = (1 - (8^{\circ}/12^{\circ}))$		
= k = 0, you missed are changer	10 (0.9) = Log 0.2		
	(ce 0.9° = 0.2 Log. (0.9)° = Log. 0.2 (n= (Log., 0.2) / Log., 6.9		
(n° 0.1° 0.9°	n = 15.27		
= Co. 0.9°	n= 15.		
N=5, p=0.59 => 1-P ≈ 0.41			
n=6, p= 0.53 =7 1-P = 0.43			
n=7, p=0.48 =71-P= 0.52			
7 Shots			