|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type** | **a** | **b** | **c** | **d** |
| Organic | 2.4 | 1.05 | 2.5 | 0.38 |
| Semi-detached | 3 | 1.12 | 2.5 | 0.35 |
| Embedded | 3.6 | 1.2 | 2.5 | 0.32 |

KLOC = thousands of lines of code

**1.Organic**

KLOC = Total no.of lines/1000 = 2500/1000 = 2.5 KLOC

Effort = a(KLOC)b  Person-Month

= 2.4(2.5)1.05 Person-Month

= 6.3 Person-Month

Development Time = c(Effort)d Months

= 2.5(6.3)0.38  Months

= 5 Months

**2.Semi-detached**

KLOC = Total no.of lines/1000 = 2500/1000 = 2.5 KLOC

Effort = a(KLOC)b  Person-Month

= 3(2.5)1.12 Person-Month

= 8.3 Person-Month

Development Time = c(Effort)d Months

= 2.5(8.3)0.35  Months

= 5.2 Months

**3.Embedded**

KLOC = Total no.of lines/1000 = 2500/1000 = 2.5 KLOC

Effort = a(KLOC)b  Person-Month

= 3.6(2.5)1.2 Person-Month

= 10.8 Person-Month

Development Time = c(Effort)d Months

= 2.5(10.8)0.32  Months

= 5.3 Months