1. A software project is estimated to have 20,000 LOC. The development team consists of 5 programmers who can develop 150 LOC per day. How many days will it take to complete the project?
2. A company estimates that a software project will require 50,000 LOC. The team will consist of 8 programmers, who can develop 120 LOC per day. What is the estimated duration of the project?
3. A software project is estimated to have 40,000 LOC. The team will consist of 4 programmers, who can develop 80 LOC per day. The project will run for 20 weeks. What is the total estimated effort for the project in person-months?
4. A company estimates that a software project will require 75,000 LOC. The team will consist of 10 programmers, who can develop 100 LOC per day. The project is expected to take 6 months. What is the total estimated effort for the project in person-months?
5. A software project is estimated to have 25,000 LOC. The team will consist of 6 programmers, who can develop 125 LOC per day. The project has a deadline of 3 months. What is the minimum number of programmers required to complete the project within the deadline?
6. A software project has 10 input fields, 8 output fields, and 5 inquiry fields. The complexity of each field is moderate. Calculate the total functional points.
7. A software project has 3 external inputs, 4 external outputs, and 2 external inquiries. The complexity of each input is high, the complexity of each output is low, and the complexity of each inquiry is average. Calculate the total functional points.
8. A software project has 6 external inputs, 5 external outputs, and 3 external inquiries. The complexity of each input is low, the complexity of each output is high, and the complexity of each inquiry is low. Calculate the total functional points.
9. A software project has 2 external inputs, 3 external outputs, and 4 external inquiries. The complexity of each input is low, the complexity of each output is average, and the complexity of each inquiry is high. Calculate the total functional points.
10. A software project has 8 external inputs, 6 external outputs, and 5 external inquiries. The complexity of each input is high, the complexity of each output is high, and the complexity of each inquiry is average. Calculate the total functional points.