```
START RIZWANLAB5
      PRINT Welcome Message to User
            IMPORT lab5utilityfile
            CALL Main function
START MAIN
            SET data_string with movie information
            SPLIT data_string into the movieslist
            CALL chrisnolanmovies WITH movieslist
      END MAIN
START chrisnolanmovies
            DISPLAY text "Which Christopher Nolan movie would you like to
know about?"
            CALL display_movies FROM lab5utilityfile
            SET selectedchoice TO USER INPUT
            SET movies_to_search TO validateget_movie(selectedchoice) FROM
lab5utilityfile
            IF movies_to_search IS "None"
            PRINT "Invalid choice!" text
      RETURN
   ENDIF

  SET found_movie TO find_movie(movieslist, movies_to_search) FROM
lab5utilityfile
    IF found_movie EXISTS
      DISPLAY Movie details
    ELSE
      DISPLAY "No information found for [movie name]" text
    ENDIF

  ASK USER if they want to know about total revenue
    IF YES
      CALL AND DISPLAY calculate_total_revenue(movieslist) FROM
lab5utilityfile
    ELSE
      DISPLAY "No worries, have a great day!" text
    ENDIF
END chrisnolanmovies
MAINTAIN  Dictionary mapping user choices to movie names

START RIZWANLAB5FILEUTILITY
FUNCTION display_movies
  DISPLAY list of movies to user
END FUNCTION

FUNCTION validateget_movie(selectedchoice)
  VALIDATE user choice and RETURN corresponding movie name or "None" if
invalid
END FUNCTION

FUNCTION find_movie(movie_list, movie_to_search)
  FOR EACH movie IN movie_list
    IF movie[0] EQUALS movie_to_search
      RETURN movie
    ENDIF
```

```
    ENDFOR
    RETURN None
END FUNCTION

FUNCTION calculate_total_revenue(movie_list)
    CALCULATE and RETURN the sum of the revenue of all movies in the list of
Christopher Nolan movies
END FUNCTION
```