

{ SHAKESPEARE PROGRAMMING LANGUAGE }

{ CHEAT SHEET }

KERSTEN SCHALLER

LAYOUT OF A PLAY:

- Titel:
 - The first line in a program.
- Dramatis Personae:
 - <Name, Description> for each character in the play.
- Acts and Scenes:
 - Act I: Hamlet’s insults and flattery.
 - Scene I: The insulting of Romeo.
- Enter:
 - [Enter Juliet]
 - [Enter Romeo and Juliet]
- Dialogs:
 - Lines spoken by characters.
- Exit and Exeunt:
 - [Exit Juliet]
 - [Exeunt Romeo and Juliet]
 - [Exeunt]

LINES IN DIALOGS

- Example 1
 - Hamlet:
You lying stupid fatherless big smelly half-witted coward!
 - $2*2*2*2*2*(-1) = -32$
- Constants
 - Positive and neutral Nouns equal 1
 - Negative nouns equal -1
 - Adjectives multiply their noun with 2
 - Feelings of nouns and adjectives must match
- Example 2
 - You are as stupid as the difference between a handsome rich brave hero and thyself!
 - Julia = 8-Julia
- Assignment
 - ...are as<any adjective> as <operator> <constant/reference/character> and <constant/reference/character>
- Operators and References
 - Operators: sum of,difference between,product of, quotient of,square of, cube of
 - References: yourself, thyself, myself

LINES IN DIALOGS

- Example 3
 - Juliet:
Am I better than you?
 - Hamlet:
If so, let us proceed to scene III.
- Logical Expressions
 - is <X> as good as <Y> tests for $X == Y$
 - is <X> better than <Y> tests for $X > Y$
 - is <X> worse than <Y> tests for $X < Y$
- Conditional GoTo
 - Logical Expression
 - <If so/If not>, <Let us, we shall, we must> <return to/ proceed to> <SceneX>
- In- and Output
 - In: Listen to your heart.
 - Out: Speak your mind.
- Stack Operations
 - Push:
Lady Macbeth:
Remember <expression>.
 - Pop:
Lady Macbeth:
Recall <Comment>

CHARACTERS

Achilles Adonis Adriana Aegeon Aemilia Agamemnon Agrippa Ajax Alexander Alonso Andromache Angelo Antiochus Antonio Arthur Autolycus Balthazar Banquo Beatrice Benedick Benvolio Bianca Brabantio Brutus Capulet Cassandra Cassius Christopher Sly Cicero Claudio Claudius Cleopatra Cordelia Cornelius Cressida Cymbeline Demetrius Desdemona Dionyza Doctor Caius Dogberry Don John Don Pedro Donalbain Dorcas Duncan Egeus Emilia Escalus Falstaff Fenton Ferdinand Ford Fortinbras Francisca Friar John Friar Laurence Gertrude Goneril Hamlet Hecate Hector Helen Helena Hermia Hermonie Hippolyta Horatio Imogen Isabella John of Gaunt John of Lancaster Julia Juliet Julius Caesar King Henry King John King Lear King Richard Lady Capulet Lady Macbeth Lady Macduff Lady Montague Lennox Leonato Luciana Lucio Lychorida Lysander Macbeth Macduff Malcolm Mariana Mark Antony Mercutio Miranda Mistress Ford Mistress Overdone Mistress Page Montague Mopsa Oberon Octavia Octavius Caesar Olivia Ophelia Orlando Orsino Othello Page Pandarus Pantino Paris Pericles Pinch Polonius Pompeius Portia Priam Prince Henry Prospero Proteus Publius Puck Queen Elinor Regan Robin Romeo Rosalind Sebastian Shallow Shylock Slender Solinus Stephano Thaisa The Abbot of Westminster The Apothecary The Archbishop of Canterbury The Duke of Milan The Duke of Venice The Ghost Theseus Thurio Timon Titania Titus Troilus Tybalt Ulysses Valentine Venus Vincentio Viola