

{ SHAKESPEARE PROGRAMMING LANGUAGE }

{ CHEAT SHEET }

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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 Cymberline 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 Harmonie 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

WORDLISTS

- negative_adjective** [bad cowardly cursed damned dirty disgusting distasteful dusty evil fat fat-kidneyed fatherless foul hairy half-witted horrible horrid infected lying miserable misused oozing rotten rotten smelly snotty sorry stinking stuffed stupid vile villainous worried]
- neutral_adjective** [big black blue bluest bottomless furry green hard huge large little normal old purple red rural small tiny white yellow]
- positive_adjective** [amazing beautiful blossoming bold brave charming clearest cunning cute delicious embroidered fair fine gentle golden good handsome happy healthy honest lovely loving mighty noble peaceful pretty prompt proud reddest rich smooth sunny sweet sweetest trustworthy warm]
- negative_noun** [Hell Microsoft bastard beggar blister codpiece coward curse death devil draught famine flirt-gill goat hate hog hound leech lie pig plague starvation toad war wolf]
- neutral_noun** [animal aunt brother cat chihuahua cousin cow daughter door face father fellow granddaughter grandfather grandmother grandson hair hamster horse lamp lantern mistletoe moon morning mother nephew niece nose purse road roman sister sky son squirrel stone wall thing town tree uncle wind]
- positive_noun** [Heaven King Lord angel flower happiness joy plum summer’s day hero rose kingdom pony]