Selection Practice Problems with case statement

# 1)

read -p " enter a number: " x

case "$x" in

"1")

echo "one"

;;

"2")

echo "two"

;;

"3")

echo "three"

;;

"4")

echo "four"

;;

"5")

echo "three"

;;

\*)

echo "plz enter a single digit number."

;;

esac

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$ nano single.sh

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$ bash single.sh

enter a number: 1

single.sh: line 8: syntax error near unexpected token `)'

single.sh: line 8: `echo "two")'

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$ nano single.sh

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$ bash single.sh

enter a number: 1

one

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$ nano single.sh

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$ bash single.sh

enter a number: 2

two

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$ bash single.sh

enter a number: 8

plz enter a single digit number.

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$ cat single.sh

read -p " enter a number: " x

case "$x" in

"1")

echo "one"

;;

"2")

echo "two"

;;

"3")

echo "three"

;;

"4")

echo "four"

;;

"5")

echo "three"

;;

\*)

echo "plz enter a single digit number."

;;

esac

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$ bash -x single.sh

+ read -p ' enter a number: ' x

enter a number: 3

+ case "$x" in

+ echo three

three

2)

#! /bin/sh

read -p " enter a numbr: " x

case "$x" in

"1")

echo "monday"

;;

"2")

echo "tuesday"

;;

"3")

echo "wednesday"

;;

"4")

echo "thursday"

;;

"5")

echo "friday"

;;

"6")

echo "saturday"

;;

"7")

echo "sunday"

;;

\*)

echo "there is no such day"

;;

Esac

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$ nano single.sh

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$ ^C

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$ nano single.sh

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$ nano case.sh

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$ bash case.sh

enter a numbr: 2

tuesday

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$ bash case.sh

enter a numbr: 3

wednesday

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$ bash case.sh

enter a numbr: 8

there is no such day

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$ cat case.sh

#! /bin/sh

read -p " enter a numbr: " x

case "$x" in

"1")

echo "monday"

;;

"2")

echo "tuesday"

;;

"3")

echo "wednesday"

;;

"4")

echo "thursday"

;;

"5")

echo "friday"

;;

"6")

echo "saturday"

;;

"7")

echo "sunday"

;;

\*)

echo "there is no such day"

;;

esac

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$ bash -x case.sh

+ read -p ' enter a numbr: ' x

enter a numbr: 4

+ case "$x" in

+ echo thursday

thursday

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$

3)

read -p " enter a number : " x

case "$x" in

"1")

echo " the number is one"

;;

"10")

echo " the number is ten"

;;

"100")

echo " the number is hundred"

;;

"1000")

echo "the number is thousand"

;;

\*)

echo "enter a valid number"

;;

esac

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$ nano number.sh

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$ bash number.sh

enter a number : 1

the number is one

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$ bash number.sh

enter a number : 10

the number is ten

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$ bash number.sh

enter a number : 2

enter a valid number

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$ cat number.sh

read -p " enter a number : " x

case "$x" in

"1")

echo " the number is one"

;;

"10")

echo " the number is ten"

;;

"100")

echo " the number is hundred"

;;

"1000")

echo "the number is thousand"

;;

\*)

echo "enter a valid number"

;;

esac

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$ bash -x number.sh

+ read -p ' enter a number : ' x

enter a number : 10

+ case "$x" in

+ echo ' the number is ten'

the number is ten

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$ nano number.sh

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$

4)

Conversion feet to inch

#!/bin/bash

read -p "enter the num:" a

case "$a" in

"$a")

echo "convertion of feet to inch is:

$(($a\*12))"

;;

esac

Selection Practice Problems with if & else

4)

read -p "flip a coin:" a

if [ $a == 1 ]

then

echo "its a head "

else

echo "its tail"

fi

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$ bash ifelse2.sh

flip a coin:3

its tail

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$ bash ifelse2.sh

flip a coin:1

its a head

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$ bash -x ifelse2.sh

+ read -p 'flip a coin:' a

flip a coin:3

+ '[' 3 == 1 ']'

+ echo 'its tail'

its tail

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$ cat ifelse2.sh

read -p "flip a coin:" a

if [ $a == 1 ]

then

echo "its a head "

else

echo "its tail"

fi

1)

read -p "enter a num:" i

if [ $(($i >= 100)) == 0 ]

then

echo "$i is min";

else

echo "$i is max";

fi

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$ bash random.sh

enter a num:90

90 is min

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$ bash random.sh

enter a num:109

109 is max

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$ cat random.sh

read -p "enter a num:" i

if [ $(($i >= 100)) == 0 ]

then

echo "$i is min";

else

echo "$i is max";

fi

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$ bash -x random.sh

+ read -p 'enter a num:' i

enter a num:60

+ '[' 0 == 0 ']'

+ echo '60 is min'

60 is min

3) read -p "enter a year:" a

if [ $(($a % 4)) == 0 ]

then

echo "its a leapyear";

else

echo "its not a leapyear";

fi

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$ nano leapyear.sh

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$ bash leapyear.sh

enter a year:1996

its a leapyear

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$ bash leapyear.sh

enter a year:2021

its not a leapyear

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$ cat leapyear.sh

read -p "enter a year:" a

if [ $(($a % 4)) == 0 ]

then

echo "its a leapyear";

else

echo "its not a leapyear";

fi

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$ bash -x leapyear.sh

+ read -p 'enter a year:' a

enter a year:1996

+ '[' 0 == 0 ']'

+ echo 'its a leapyear'

its a leapyear