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Q3. What are the different types of loops in Linux?
OR
Explain statements (i) (ii) (iii) programming (iv)
Ans. The different types of loops in Linux are:
(i) For loop: This loop is used to iterate over a range of values.
(ii) While loop: This loop is used to iterate over a range of values.
(iii) Until loop: This loop is used to iterate over a range of values.
(iv) Repeat loop: This loop is used to iterate over a range of values.

#Calculate the simple interest for 3 sets of p, n and r
count=1
while [ $count -le 3 ]
do
    echo "Enter values of p, n and r"
    read p n r
    si=$((p*n*r/100))
    echo "Simple interest=rs. $si"
    count=$((count+1))
done

<!(if {supportLists}> (ii) <!(endif)> While loop :
The while loop is used to iterate over a range of values.
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The while loop is used to iterate over a range of values.

#Calculate the simple interest for 3 sets of p, n and r
count=1
while [ $count -le 3 ]
do
    echo "Enter values of p, n and r"
    read p n r
    si=$((p*n*r/100))
    echo "Simple interest=rs. $si"
    count=$((count+1))
done

<!(if {supportLists}> (iii) <!(endif)> Until loop -
The until loop is used to iterate over a range of values.
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# prints numbers 1 to 10 using until
i=1
until [ $i -gt 10 ]
do
    echo $i
    i=$((i+1))
done
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