```
#!/bin/bash

# Function to check if a number is prime
is_prime() {
  local num=$1
  if ((num < 2)); then
    echo "$num is not a prime number."
    return
  fi

  local is_prime=1
  for ((i = 2; i <= num / 2; i++)); do
    if ((num % i == 0)); then
      is_prime=0
      break
    fi
  done

  if ((is_prime == 1)); then
    echo "$num is a prime number."
  else
    echo "$num is not a prime number."
  fi
}

# Function to print the reverse of a number
reverse_number() {
  local num=$1
  local reverse=0

  while ((num != 0)); do
    local digit=$((num % 10))
    reverse=$((reverse * 10 + digit))
    num=$((num / 10))
  done

  echo "Reverse of the given number: $reverse"
}

# Read the number from user input
echo -n "Enter a number: "
read number

# Call the is_prime function
is_prime "$number"

# Call the reverse_number function
reverse_number "$number"
```

```
#!/bin/bash

echo "Enter a number:"
read num

reverse=0
temp=$num
```

```
# Check if the number is prime or not
if [ $num -lt 2 ]; then
   echo "$num is not a prime number"
else
   for (( i=2; i<$num; i++ ))
   do
      if [ $(($num % $i)) -eq 0 ]; then
         echo "$num is not a prime number"
         exit
      fi
   done
   echo "$num is a prime number"
fi

# Reverse the number
while [ $temp -gt 0 ]
do
   remainder=$(( $temp % 10 ))
   reverse=$(( $reverse * 10 + $remainder ))
   temp=$(( $temp / 10 ))
done

echo "Reverse of $num is $reverse"
```

REVERSE

```
#!/bin/bash

# Prompt user to enter a string
echo "Please enter a string:"
read input_string

# Reverse the string using a for loop
reverse_string=""
for (( i=${#input_string}-1; i>=0; i-- )); do
 reverse_string="$reverse_string${input_string:$i:1}"
done

# Print the reversed string
echo "The reversed string is: $reverse_string"
```