#!/usr/bin/perl

use strict;

use warnings;

my $file = "todo.txt";

my @tasks = ();

if (-e $file) {

open my $fh, "<", $file or die "Cannot open $file: $!";

@tasks = <$fh>;

chomp @tasks;

close $fh;

}

print "Todo App - Interactive Console\n";

print "Commands: add, list, remove, help, exit\n\n";

while (1) {

print "> ";

my $input = <STDIN>;

chomp $input;

my ($command, $rest) = split(/\s+/, $input, 2);

$command = lc($command || "");

$rest = $rest || "";

if ($command eq "add") {

if ($rest) {

push @tasks, $rest;

save\_tasks();

print "Task added: $rest\n";

} else {

print "Please specify a task to add.\n";

}

}

elsif ($command eq "list") {

if (@tasks) {

print "\nTasks:\n";

for my $i (0..$#tasks) {

print ($i + 1) . ". $tasks[$i]\n";

}

print "\n";

} else {

print "No tasks found.\n";

}

}

elsif ($command eq "remove") {

if ($rest =~ /^\d+$/) {

my $index = $rest - 1;

if ($index >= 0 && $index < scalar @tasks) {

my $removed = $tasks[$index];

splice(@tasks, $index, 1);

save\_tasks();

print "Task removed: $removed\n";

} else {

print "Invalid task number.\n";

}

} else {

print "Please specify a valid task number to remove.\n";

}

}

elsif ($command eq "help") {

print "\nAvailable commands:\n";

print " add <task> - Add a new task\n";

print " list - List all tasks\n";

print " remove <num> - Remove task by number\n";

print " help - Show this help\n";

print " exit - Exit the application\n\n";

}

elsif ($command eq "exit" || $command eq "quit") {

print "Goodbye!\n";

last;

}

elsif ($command) {

print "Unknown command. Type 'help' for available commands.\n";

}

}

sub save\_tasks {

open my $fh, ">", $file or die "Cannot open $file: $!";

foreach my $task (@tasks) {

print $fh "$task\n";

}

close $fh;

}