```
import os
import shutil
def organize files(directory):
  Organizes files in the specified directory into subfolders based on file extensions.
  Args:
     directory (str): The directory to organize.
  # Define categories and their associated file extensions
  file categories = {
     "Images": [".jpg", ".jpeg", ".png", ".gif", ".bmp", ".tiff"],
     "Documents": [".pdf", ".docx", ".txt", ".xlsx", ".pptx", ".csv"],
"Videos": [".mp4", ".mkv", ".avi", ".mov", ".wmv"],
"Audio": [".mp3", ".wav", ".aac", ".flac"],
"Archives": [".zip", ".rar", ".tar", ".gz", ".7z"],
     "Others": | # Any other file types
  }
  # Create subfolders if they don't exist
  for category in file categories:
     category_path = os.path.join(directory, category)
     if not os.path.exists(category_path):
        os.makedirs(category_path)
  # Scan and organize files
  for file_name in os.listdir(directory):
     file_path = os.path.join(directory, file_name)
     # Skip directories
     if os.path.isdir(file path):
        continue
     # Determine file category based on extension
     file_extension = os.path.splitext(file_name)[1].lower()
     moved = False
     for category, extensions in file_categories.items():
        if file_extension in extensions:
           shutil.move(file_path, os.path.join(directory, category, file_name))
           moved = True
           break
     # If no matching category, move to "Others"
     if not moved:
        shutil.move(file_path, os.path.join(directory, "Others", file_name))
  print(f"Files in '{directory}' have been organized!")
# Example Usage
if __name__ == "__main__":
  folder_to_organize = input("Enter the path of the folder to organize: ")
  if os.path.exists(folder_to_organize):
     organize_files(folder_to_organize)
     print("The specified folder does not exist.")
```