**test\_case1**={"PATIENTID":"baea9f26-8eab-58e0-8e2f-a91b5dbcb481",

"FIRST":"Marty",

"LAST": "Heathcote",

"GENDER":"M",

"Age":"63",

"sum\_risk":"95.03488",

"Risk\_Bracket":"High",

"ACTIVE\_CONDITIONS\_DESC":"Ischemic heart disease (disorder), Sleep disorder (disorder), Sleep apnea (disorder), Disorder of kidney due to diabetes mellitus (disorder), Served in armed forces (finding), Abnormal findings diagnostic imaging heart+coronary circulat (finding), Chronic kidney disease stage 4 (disorder), Microalbuminuria due to type 2 diabetes mellitus (disorder), Anemia (disorder), History of renal transplant (situation), Stress (finding), Prediabetes, Body mass index 30+ - obesity (finding), Metabolic syndrome X (disorder), Smokes tobacco daily, Proteinuria due to type 2 diabetes mellitus (disorder), Unhealthy alcohol drinking behavior (finding), Essential hypertension (disorder)",

"ACTIVE\_MEDICATIONS\_DESCRIPTION":"Clopidogrel 75 MG Oral Tablet, 24 HR metoprolol succinate 100 MG Extended Release Oral Tablet, Simvastatin 20 MG Oral Tablet, insulin isophane human 70 UNT/ML / insulin regular human 30 UNT/ML Injectable Suspension [Humulin], Nitroglycerin 0.4 MG/ACTUAT Mucosal Spray, lisinopril 10 MG Oral Tablet, 24 HR tacrolimus 1 MG Extended Release Oral Tablet, ferrous sulfate 325 MG Oral Tablet, nicotine 7 MG/Day 24HR Transdermal System",

"ALLERGIES\_DESC":"None",

"PROCEDURE\_DESCRIPTION":"Digital examination of rectum, Pretransplant evaluation of kidney recipient (procedure), Transplantation of kidney regime (regime/therapy), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Renal dialysis (procedure), Transplant of kidney (procedure), Screening for domestic abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Assessment of anxiety (procedure), Referral to transplant surgeon (procedure), Depression screening using Patient Health Questionnaire Nine Item score (procedure), Colonoscopy, Development of individualized plan of care (procedure), Assessment of health and social care needs (procedure), Notifications (procedure), Hospice care (regime/therapy), Depression screening (procedure), Medication Reconciliation (procedure), Certification procedure (procedure), Assessment of substance use (procedure), Renal disorder medication review (procedure), Screening for drug abuse (procedure), Sleep apnea assessment (procedure), Initial patient assessment (procedure)"}

**Output for test\_case1:**

{“Diagnosis”: “Marty Heathcote has been diagnosed with essential hypertension.”,

“Goals & Outcomes”: “The primary goal is to reduce Marty’s blood pressure to within a range of 140/90mmHg and control Marty’s other comorbidities.”,

“Intervention”: “In order to reach the desired goal, could include lifestyle modifications such as exercise (moderate aerobic and resistance exercises) and weight management, as well as start appropriate medications and monitor adherence. “,

“Long Term Evaluation”: “It is necessary to monitor his blood pressure at least three times a week and every two to four months during office visits to evaluate if medications used as interventions is effective and if not, then figure out how to modify the regimen. His kidney function needs to be monitored regularly and appropriately. “,

“Short Term Evaluation”:” It is also necessary to monitor blood pressure at the facility at least once a week and to recognize any changes in sign and symptoms. For any medication-related adverse effect, it is essential to notify the physician immediately and intervene accordingly. To evaluate compliance with lifestyle modifications, it is important to inquire potential challenges to making behaviors changes.”}

**test\_case2**={"PATIENTID":"18461a0f-bef2-1a83-b336-6ba9fc8e5bed",

"FIRST":"Bill",

"LAST":"McDermott",

"GENDER":"M",

"Age":"85",

"sum\_risk":"92.82175",

"Risk\_Bracket":"High",

"ACTIVE\_CONDITIONS\_DESC":"Ischemic heart disease (disorder), Served in armed forces (finding), Carcinoma in situ of prostate (disorder), Abnormal findings diagnostic imaging heart+coronary circulat (finding), Victim of intimate partner abuse (finding), Anemia (disorder), History of coronary artery bypass grafting (situation), Body mass index 30+ - obesity (finding), Smokes tobacco daily, Prediabetes, Metabolic syndrome X (disorder), Unhealthy alcohol drinking behavior (finding), Neoplasm of prostate, Essential hypertension (disorder), Alcoholism",

"ACTIVE\_MEDICATIONS\_DESCRIPTION":"Clopidogrel 75 MG Oral Tablet, 24 HR metoprolol succinate 100 MG Extended Release Oral Tablet, Simvastatin 20 MG Oral Tablet, Nitroglycerin 0.4 MG/ACTUAT Mucosal Spray, lisinopril 10 MG Oral Tablet, nicotine 7 MG/Day 24HR Transdermal System",

"ALLERGIES\_DESC":"None",

"PROCEDURE\_DESCRIPTION":"Assessment using Morse Fall Scale (procedure), Depression screening (procedure), Development of individualized plan of care (procedure), Assessment of health and social care needs (procedure), Screening for domestic abuse (procedure), Notifications (procedure), Hospice care (regime/therapy), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Assessment of anxiety (procedure), Patient discharge (procedure), Medication Reconciliation (procedure), Throat culture (procedure), Certification procedure (procedure), Colonoscopy, Initial patient assessment (procedure)"}

**Output for test\_case2:**

{“Diagnosis”:” The patient has been diagnosed with ischemic heart disease, carcinoma in situ of the prostate, prediabetes, metabolic syndrome X, neoplasm of prostate, essential hypertension, and unhealthy alcohol drinking behavior.” ,

“Goals & Outcomes”: “The goals of care for this patient are the reduction of symptoms if present, the prevention of further health complications, the maintenance of the patient's quality of life, and improved overall health through lifestyle changes and any necessary medical interventions.”,

“Intervention”:” Interventions for this patient will include an individualized plan of care, assessment and treatment of psychiatric issues, screening for domestic abuse, hospice care, medication reconciliation, nutrition counseling, smoking cessation guidance, physical and occupational therapy, development of exercise program, and psychological counseling as needed.”,

“Long Term Evaluation”: “Long term evaluations and assessments will include monitoring of patient symptoms, laboratory and imaging tests, adherence to medical and psychological interventions, review of health and social care needs, and evaluation of overall patient wellbeing.”,

“Short Term Evaluation”: “Short term evaluations include assessments of the patient's current medications, review of lab and imaging results, repeat assessments of patient symptoms, medication and lifestyle changes, and follow-up visits with primary care”}

**test\_case3**={"PATIENTID":"27c02083-54f6-c520-c68a-9ef2387e128b",

"FIRST":"Edwina",

"LAST":"Witting",

"GENDER":"F",

"Age":"74",

"sum\_risk":"9.42098",

"Risk\_Bracket": "Medium",

"ACTIVE\_CONDITIONS\_DESC":"Miscarriage in first trimester, Disorder of kidney due to diabetes mellitus (disorder), Severe anxiety (panic) (finding), Chronic kidney disease stage 4 (disorder), Metabolic syndrome X (disorder), Proteinuria due to type 2 diabetes mellitus (disorder), History of appendectomy, End-stage renal disease (disorder), Body mass index 30+ - obesity (finding), Appendicitis, Chronic kidney disease stage 1 (disorder), Chronic kidney disease stage 2 (disorder), Anemia (disorder), Social isolation (finding), Chronic kidney disease stage 3 (disorder), Prediabetes, Essential hypertension (disorder), Microalbuminuria due to type 2 diabetes mellitus (disorder), Limited social contact (finding), Awaiting transplantation of kidney (situation)",

"ACTIVE\_MEDICATIONS\_DESCRIPTION": "lisinopril 10 MG Oral Tablet, ferrous sulfate 325 MG Oral Tablet, insulin isophane human 70 UNT/ML / insulin regular human 30 UNT/ML Injectable Suspension [Humulin], amLODIPine 2.5 MG Oral Tablet",

"ALLERGIES\_DESC":"None",

"PROCEDURE\_DESCRIPTION":"Depression screening using Patient Health Questionnaire Two-Item score (procedure), Renal dialysis (procedure), Screening for domestic abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Assessment of anxiety (procedure), Referral to transplant surgeon (procedure), Measurement of respiratory function (procedure), Depression screening using Patient Health Questionnaire Nine Item score (procedure), Colonoscopy, Development of individualized plan of care (procedure), Assessment of health and social care needs (procedure), Notifications (procedure), Hospice care (regime/therapy), Suture open wound, Depression screening (procedure), Medication Reconciliation (procedure), Certification procedure (procedure), Assessment of substance use (procedure), Screening for drug abuse (procedure), Initial patient assessment (procedure)"}

**Output for test\_case3:**

{“Diagnosis”: “End stage renal disease, microalbuminuria due to type 2 diabetes mellitus, metabolic syndrome X, hypertension, prdiedabetes, anemia, obesity “,

“Goals&Outcomes”: “Restore Kidney Function, Improve blood sugar control amd blood pressure, Monitor the progression of the existing conditions”,

“Intervention”: “Referral to Transplant Surgeon, Dialysis, Medication Reconciliation, Daily dietary intakes, Regular physical activities, Regular check-ups “,

“Long Term Evaluation”: “Evaluate the progression of existing conditions, Measure current hemoglobin, Check Renal Function and urine output, Monitor BP and glucose levels”,

“Short Term Evaluation”: “Monitor attachment to the proposed therapeutic regimen, Monitor adherence to diet and physical activity, Measure urinary albumin and creatinine levels, Measure Hemoglobin and hematocrit levels”}

**test\_case4**={"PATIENTID": "40b8f37e-385d-857f-2db0-07c142a8e4a2",

"FIRST": “Jesse”,

"LAST": “Nikolaus”,

"GENDER": “M”,

"Age": "33",

"sum\_risk":"3.10748",

"Risk\_Bracket":"Low",

"ACTIVE\_CONDITIONS\_DESC":"Chronic kidney disease stage 1 (disorder), Disorder of kidney due to diabetes mellitus (disorder), Victim of intimate partner abuse (finding), Chronic kidney disease stage 2 (disorder), Microalbuminuria due to type 2 diabetes mellitus (disorder), Stress (finding), Prediabetes, Essential hypertension (disorder)",

"ACTIVE\_MEDICATIONS\_DESCRIPTION": "Terfenadine 60 MG Oral Tablet, insulin isophane human 70 UNT/ML / insulin regular human 30 UNT/ML Injectable Suspension [Humulin], Hydrochlorothiazide 25 MG Oral Tablet, lisinopril 10 MG Oral Tablet, amLODIPine 2.5 MG Oral Tablet, NDA020800 0.3 ML Epinephrine 1 MG/ML Auto-Injector",

"ALLERGIES\_DESC":"Tree nut (substance)",

"PROCEDURE\_DESCRIPTION": "Assessment of substance use (procedure), Assessment of health and social care needs (procedure), Screening for drug abuse (procedure), Screening for domestic abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Assessment of anxiety (procedure), Depression screening (procedure), Medication Reconciliation (procedure), Depression screening using Patient Health Questionnaire Nine Item score (procedure), Sputum examination (procedure)"}

**Output for test\_case4:**

{“Diagnosis”: “Jesse Nikolaus is diagnosed with chronic kidney disease (stage 1), disorder of kidney due to diabetes mellitus, microalbuminuria due to type 2 diabetes mellitus, and essential hypertension.”,

“Goals & Outcomes”: “The goal of Jesse Nikolaus’ care plan is to optimize the management of his conditions and to receive effective treatment for his various medical conditions and allergies.”,

“Intervention”: “Jesse Nikolaus should receive regular medical care, including routine assessments of his physical and psychological health and adherence to medications. Additionally, he should receive assessment and counseling for ongoing risk factors including substance and alcohol use, domestic abuse, and mental health concerns.”,

“Long-term Evaluation”: “Jesse Nikolaus should receive ongoing monitoring and evaluation of long-term care outcomes. This should include regular assessments of his physical and psychological wellbeing and adherence to medications, risk assessments, lifestyle modifications, and ongoing referral to specialists.”,

“Short-term Evaluation”: “Jesse Nikolaus should also have his care frequently evaluated in the short-term. This should include regular assessments for physical and mental health, adherence to medications, risk assessment, lifestyle modifications, and referral to specialists as necessary.”}

**test\_case5**={"PATIENTID":"da0bbdef-1841-f206-fc12-ca3391a9dce4",

"FIRST":"Dannie",

"LAST":"Roberts",

"GENDER":"M",

"Age":"62",

"sum\_risk": "3.10531",

"Risk\_Bracket":"Low",

"ACTIVE\_CONDITIONS\_DESC":"Dependent drug abuse (disorder), Diabetes mellitus type 2 (disorder), Misuses drugs (finding), Non-small cell carcinoma of lung TNM stage 1 (disorder), Anemia (disorder), Suspected lung cancer (situation), Stress (finding), Prediabetes, Body mass index 30+ - obesity (finding), Unhealthy alcohol drinking behavior (finding), Non-small cell lung cancer (disorder), Essential hypertension (disorder), Drug overdose",

"ACTIVE\_MEDICATIONS\_DESCRIPTION":"ferrous sulfate 325 MG Oral Tablet",

"ALLERGIES\_DESC":"None",

"PROCEDURE\_DESCRIPTION":"Computed tomography of chest and abdomen, Depression screening using Patient Health Questionnaire Two-Item score (procedure), Plain chest X-ray (procedure), Diagnostic fiberoptic bronchoscopy (procedure), Screening for domestic abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Assessment of anxiety (procedure), Bone immobilization, Colonoscopy, Hearing examination (procedure), Assessment of health and social care needs (procedure), Medication Reconciliation (procedure), Depression screening (procedure), Sputum examination (procedure), High resolution computed tomography of chest without contrast (procedure), Assessment of substance use (procedure), Combined chemotherapy and radiation therapy (procedure), Screening for drug abuse (procedure), Magnetic resonance imaging for measurement of brain volume (procedure), Chest X-ray, Rehabilitation therapy (regime/therapy)"}

**Output for test\_case5:**

{“Diagnosis”: “Mr. Roberts has a complex medical history including a history of drug abuse, diabetes mellitus type 2, anemia, suspected lung cancer, stress, prediabetes, obesity, unhealthy drinking behavior, essential hypertension, drug overdose and non-small cell carcinoma of lung TNM stage 1. “,

“Goals & Outcomes”: “The goals of treatment are to reduce Mr. Roberts' current symptoms, manage his current medical conditions and improve his overall quality of life through effective, personalized care. “,

“Intervention”: “The interventions employed to achieve the patient's goals will include medication management, lifestyle modifications, cognitive behavior therapy and psychotherapy. Additionally, Mr. Roberts may benefit from a range of adjunctive therapies, such as nutritional counseling, physical activity, stress management, and drug rehabilitation or detoxification, if needed.”,

“Long Term Evaluation”: “In order to evaluate the patient's long-term progress, the doctor should conduct follow-up visits to assess symptoms, medications, adherence to lifestyle modifications and any other medical changes that may have occurred over time. Adherence to medications should also be monitored over time.”,

“Short Term Evaluation”: “To determine the patient's short-term prognosis, the doctor may also employ a number of tests.”}

**test\_case6**={"PATIENTID":"f4fb6b8e-c053-51e7-84cc-a90734291153",

"FIRST":"Claris",

"LAST": "Parisian",

"GENDER":"F",

"Age": "78",

"sum\_risk":"3.10436",

"Risk\_Bracket":"Low",

"ACTIVE\_CONDITIONS\_DESC":"Miscarriage in first trimester, Ischemic heart disease (disorder), History of tubal ligation (situation), Dependent drug abuse (disorder), Hyperlipidemia, Abnormal findings diagnostic imaging heart+coronary circulat (finding), Received certificate of high school equivalency (finding), Impacted molars, Chronic sinusitis (disorder), Chronic pain, Body mass index 30+ - obesity (finding), Prediabetes, Chronic intractable migraine without aura, Stress (finding), Drug overdose",

"ACTIVE\_MEDICATIONS\_DESCRIPTION": "Clopidogrel 75 MG Oral Tablet, 24 HR metoprolol succinate 100 MG Extended Release Oral Tablet, Simvastatin 20 MG Oral Tablet, Simvastatin 10 MG Oral Tablet, Nitroglycerin 0.4 MG/ACTUAT Mucosal Spray",

"ALLERGIES\_DESC":"None",

"PROCEDURE\_DESCRIPTION": "Consultation for treatment (procedure), Depression screening (procedure), Assessment of substance use (procedure), Referral to cardiology service (procedure), Assessment of health and social care needs (procedure), Screening for drug abuse (procedure), Screening for domestic abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Angiography of coronary artery (procedure), Percutaneous coronary intervention (procedure), Assessment of anxiety (procedure), Post anesthesia care management (procedure), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Medication Reconciliation (procedure), Measurement of respiratory function (procedure), Depression screening using Patient Health Questionnaire Nine Item score (procedure), Rehabilitation therapy (regime/therapy)"}

**Output for test\_case6:**

{“Diagnosis”: “Ms. Parisian has a variety of medical conditions, such as miscarriage in the first trimester, ischemic heart disease, hyperlipidemia, prediabetes, chronic sinusitis, chronic pain, chronic intractable migraine without aura, impacted molars, substance use disorder, anxiety and depression.”,

“Goals & Outcomes”: “The goal of treatment is to manage and address the various medical conditions Ms. Parisian is facing in order to ensure her optimal health and well-being. “,

“Intervention”: “She should continue receiving treatment and medications as prescribed, follow up regularly with her medical provider and specialists, pursue therapy and counseling if necessary, and follow a healthy lifestyle of proper nutrition, regular exercise, and stress reduction. “,

“Long Term Evaluation”: “A long-term evaluation should assess her response to treatment over time, her continued adherence to a healthy lifestyle, and periodically assess for new and/or recurrent symptoms.”,

“Short Term Evaluation”: “The short term evaluation should assess Ms. Parisian's response to the prescribed medications and treatments, her adherence to her treatment plan, her use of self-care, and her overall quality of life.”}

**test\_case7**={"PATIENTID":"481231dc-0194-26a8-f6d2-9ba1f3d6bc55",

"FIRST": "Kristopher",

"LAST": "Romaguera",

"GENDER":"M",

"Age":"38",

"sum\_risk":"3.1029",

"Risk\_Bracket": "Low",

"ACTIVE\_CONDITIONS\_DESC": "Chronic kidney disease stage 1 (disorder), Disorder of kidney due to diabetes mellitus (disorder), Chronic kidney disease stage 2 (disorder), Received certificate of high school equivalency (finding), Microalbuminuria due to type 2 diabetes mellitus (disorder), Chronic sinusitis (disorder), Essential hypertension (disorder)",

"ACTIVE\_MEDICATIONS\_DESCRIPTION":"lisinopril 10 MG Oral Tablet, Hydrochlorothiazide 25 MG Oral Tablet, amLODIPine 2.5 MG Oral Tablet",

"ALLERGIES\_DESC": "None",

"PROCEDURE\_DESCRIPTION":"Assessment of substance use (procedure), Depression screening (procedure), Screening for drug abuse (procedure), Assessment of health and social care needs (procedure), Screening for domestic abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Assessment of anxiety (procedure), Medication Reconciliation (procedure), Depression screening using Patient Health Questionnaire Nine Item score (procedure)"}

**Output for test\_case7:**

{“Diagnosis”:”Kristopher Romaguera has been diagnosed with chronic kidney disease stage 1, disorder of kidney due to diabetes mellitus, chronic kidney disease stage 2, microalbuminuria due to type 2 diabetes mellitus, chronic sinusitis, and essential hypertension. “,

“Goals & Outcome”:”The primary goal of the care plan is to achieve an optimal health status for Kristopher by providing necessary treatments for his currently diagnosed conditions and monitoring for any potential health risks in order to minimize the potential for further complications. “,

“Intervention”:”The intervention plan should include a comprehensive assessment and review of current medications, screenings for substance use, depression/anxiety, drug abuse, domestic abuse, and alcohol use disorders, as well as medication reconciliation and continued monitoring of health and social care needs. “,

“Long term Evaluation”: “Kristopher should be evaluated for evidence of improvement in overall health status, disease progression, and the potential for associated health risks. “,

“Short Term Evaluation”: “Kristopher should be monitored for any potential adverse effects from his current medications, the effectiveness of treatment for his health conditions, and evidence of improvement in his overall health status.”}

**test\_case8**={"PATIENTID":"8b1a67d3-7a68-de18-6efc-a2326b8e9c81",

"FIRST":"Azzie",

"LAST": "Spinka",

"GENDER": "F",

"Age":"34",

"sum\_risk":"0.23552",

"Risk\_Bracket":"Low",

"ACTIVE\_CONDITIONS\_DESC":"Severe anxiety (panic) (finding), Normal pregnancy, Anemia (disorder), Social isolation (finding), Prediabetes, Stress (finding)",

"ACTIVE\_MEDICATIONS\_DESCRIPTION":"None",

"ALLERGIES\_DESC":"None",

"PROCEDURE\_DESCRIPTION":"Gonorrhea infection titer test (procedure), Rubella screening, Measurement of Varicella-zoster virus antibody, Urine screening for glucose, Review of systems (procedure), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Peripheral blood smear interpretation, Depression screening, Screening for domestic abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Fetal anatomy study, Childbirth, Streptococcus pneumoniae group B antigen assay, Assessment of anxiety (procedure), AFP test - antenatal, Hepatitis B Surface Antigen Measurement, Hemogram automated with RBC WBC Hgb Hct Indices Platelet count and manual WBC differential, Physical examination procedure (procedure), Detection of chromosomal aneuploidy in prenatal amniotic fluid specimen using fluorescence in situ hybridization screening technique (procedure), Assessment of health and social care needs (procedure), Standard pregnancy test, Ultrasound scan for fetal viability, Syphilis infectious titer test (procedure), Urine protein test, Hepatitis C antibody confirmatory test, Depression screening (procedure), Medication Reconciliation (procedure), Urine screening test for diabetes, Assessment of substance use (procedure), Blood group typing (procedure), Evaluation of uterine fundal height, Administration of diphtheria pertussis and tetanus vaccine, Brief general examination (procedure), Urine culture, Cytopathology procedure preparation of smear genital source, Skin test for tuberculosis Tine test (procedure), Epidural anesthesia, Chlamydia antigen test, Auscultation of the fetal heart, Human immunodeficiency virus antigen test"}

**Output for test\_case8:**

{“DIAGNOSIS”:”Azzie's primary diagnoses are anemia, prediabetes, social isolation and stress. “,

“GOALS & OUTCOMES”: “The goal of the care plan is to achieve health and wellbeing, prevent medical complications, provide medical treatment options and support the emotional, mental and physical health of the patient.”,

“ INTERVENTION”: “To meet the patient's care goals, the patient will be provided with education regarding lifestyle changes for managing prediabetes and anemia, medications for controlling symptoms and side effects, emotional and mental support as well as access to social activities. “,

“LONG TERM EVALUATION”: “Patient health and wellbeing will be assessed by repeated laboratory tests, physical examinations and lifestyle assessments. “,

“SHORT TERM EVALUATION”: “Short-term evaluation will focus on assessment of patient's response to medications, dietary adjustments and lifestyle changes, ability to adhere to the plan and effects of the patient's emotional and mental health.”}

**test\_case9**={"PATIENTID":"14337dcd-cf51-9310-4425-9346b110f56f",

"FIRST":"Javier",

"LAST":"Kuvalis",

"GENDER":"M",

"Age": "68",

"sum\_risk": "0.23005",

"Risk\_Bracket":"Low",

"ACTIVE\_CONDITIONS\_DESC":"Epilepsy, Seizure disorder, History of single seizure (situation), Severe anxiety (panic) (finding), Anemia (disorder), Chronic sinusitis (disorder), Body mass index 30+ - obesity (finding), Prediabetes, Stress (finding)",

"ACTIVE\_MEDICATIONS\_DESCRIPTION":"None",

"ALLERGIES\_DESC": "None",

"PROCEDURE\_DESCRIPTION": "Assessment using Morse Fall Scale (procedure), Nursing care/supplementary surveillance (regime/therapy), Coordination of care plan (procedure), Speech and language therapy regime (regime/therapy), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Physical therapy procedure (regime/therapy), Screening for domestic abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Assessment of anxiety (procedure), Patient discharge (procedure), Measurement of respiratory function (procedure), Referral to home health care service (procedure), Development of individualized plan of care (procedure), Assessment of health and social care needs (procedure), Depression screening (procedure), Medication Reconciliation (procedure), Sputum examination (procedure), Comprehensive interview and evaluation (procedure), Assessment of substance use (procedure), Screening for drug abuse (procedure), Initial patient assessment (procedure)"}

**Output for test\_case9:**

{“Diagnosis”: “Javier Kuvalis is a 68-year-old male with a diagnosis of prediabetes, anemia, chronic sinusitis, and severe anxiety with a history of a single seizure.”,

“Goals&Outcomes”: “The goal of the care plan is to reduce symptoms of the preexisting conditions and improve overall quality of life. Additionally, the individualized plan of care seeks to provide ongoing mental health support, substance use monitoring and care, and medical care as necessary. “,

“Intervention”: “The interventions for Javier's care plan include continued nursing care, supplemental surveillance, medication reconciliation, sputum examination, regular assessments and evaluations, substance use assessment and mental health support.”,

“ Long term Evaluation”: “Long term evaluation the effectiveness of the care plan should include regular assessments, regular monitoring, and evaluation of Javier's response to the interventions so that necessary adjustments or readjustments can be make to the plan as needed. “,

“Short term Evaluation”: “Short term evaluation of the care plan should include regular follow-ups with medical providers and monitoring for any changes in symptoms and overall health status. Additionally, continual observation and assessment should be undertaken to ensure the plan is meeting its goals.”}

**test\_case10**={"PATIENTID":"3056737b-11a7-5aed-3acb-5638ce7ab407",

"FIRST":"Mark",

"LAST":"Hilll",

"GENDER":"M",

"Age":"23",

"sum\_risk":"0.22616",

"Risk\_Bracket":"Low",

"ACTIVE\_CONDITIONS\_DESC":"Limited social contact (finding), Prediabetes, Body mass index 30+ - obesity (finding)",

"ACTIVE\_MEDICATIONS\_DESCRIPTION":"Meperidine Hydrochloride 50 MG Oral Tablet",

"ALLERGIES\_DESC":"None",

"PROCEDURE\_DESCRIPTION":"Surgical manipulation of joint of knee, Nursing care/supplementary surveillance (regime/therapy), Postoperative care (regime/therapy), Anticipatory guidance (procedure), Speech and language therapy regime (regime/therapy), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Physical therapy procedure (regime/therapy), Health risks education (procedure), Assessment using Car Relax Alone Forget Friends Trouble Screening Test (procedure), Screening for domestic abuse (procedure), Assessment of anxiety (procedure), Occupational therapy (regime/therapy), Depression screening using Patient Health Questionnaire Nine Item score (procedure), History AND physical examination (procedure), Professional / ancillary services care (regime/therapy), Development of individualized plan of care (procedure), Assessment of health and social care needs (procedure), Discharge from skilled nursing facility (procedure), Depression screening (procedure), Medication Reconciliation (procedure), Sputum examination (procedure), Knee X-ray, Assessment of substance use (procedure), Screening for drug abuse (procedure), Pre-discharge assessment (procedure), Initial patient assessment (procedure)"}

**Output for test\_case10:**

{“Diagnosis”: “Risk for Imbalanced Nutrition: More than Body Requirements, Risk for Delayed Surgical Recovery, Risk for Ineffective Self-Health Management. “,

“Goals & Outcomes”: “The patient's goals & outcomes should include managing weight and improved nutrition, increased physical activity and improved physical mobility, better adherence to medical treatments and therapies, and improved social engagement. “,

“Intervention”: “The intervention should include nutrition education and dietary modification tailored to the patient's medical history, recommendation of physical activity and exercise, teaching of self-management and health promotion behaviors, and referral to relevant mental health services.”,

“Long-term Evaluation”: “Long-term evaluation includes regular assessment of patient health, nutrition, and physical activity status, evaluations of mental health, medication reconciliation reviews and reconciliation of medical history, and follow-up visits with healthcare providers. “,

“Short-term Evaluation”: “Short-term evaluation should include assessment of the patient's responses to the interventions and progress towards meeting goals, reviews of physical assessments and laboratory tests, and reviews of any changes in the patient's medications.”}

**test\_case11**={"PATIENTID":"af9f92c5-67bd-1085-7f37-510a7779b74a",

"FIRST":"Boyd",

"LAST": "Strosin",

"GENDER":"M",

"Age":"39",

"sum\_risk":"0.06225",

"Risk\_Bracket":"Low",

"ACTIVE\_CONDITIONS\_DESC": "Prediabetes, Anemia (disorder)",

"ACTIVE\_MEDICATIONS\_DESCRIPTION":"diphenhydrAMINE Hydrochloride 25 MG Oral Tablet",

"ALLERGIES\_DESC": "Grass pollen (substance), Animal dander (substance), Mold (organism), Ibuprofen, House dust mite (organism), Lisinopril, Cow's milk (substance), Tree pollen (substance), Bee venom (substance)",

"PROCEDURE\_DESCRIPTION": "Assessment of substance use (procedure), Assessment of health and social care needs (procedure), Screening for drug abuse (procedure), Screening for domestic abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Assessment of anxiety (procedure), Depression screening (procedure), Medication Reconciliation (procedure), Depression screening using Patient Health Questionnaire Nine Item score (procedure), Information gathering (procedure)"}

**Output for test\_case11:**

{“Diagnosis”: “Prediabetes, Anemia, Allergies to Grass Pollen, Animal Dander, Mold, Ibuprofen, House Dust Mite, Lisinopril, Cow's Milk, Tree Pollen and Bee Venom. “,

“Goals & Outcomes”: “To reduce symptoms associated with anemia and prediabetes, and to provide the best treatment for the patient's allergies.”,

“Intervention”: “Increase of 1 tablet per week of diphenhydrAMINE hydrochloride 25 mg oral tablet, as prescribed by his physician. Undergo a range of assessment procedures, including Substance Use Assessment, Health and Social Care Needs Assessment, Drug Abuse Screening, Domestic Abuse Screening, Alcohol Use Disorders Identification Test - Consumption, Patient Health Questionnaire Two-Item score, Anxiety Assessment, Depression Screening, Medication Reconciliation and Patient Health Questionnaire Nine-Item score. “,

“Long Term Evaluation”: “Monitor patient's progress with medication regimen and assessment procedures to ensure prediabetes and anemia symptoms are controlled with minimal risk of side effects. Monitor patient to assess whether symptoms of allergies improve with prescribed medication.”,

“Short Term Evaluation”: “Ensure patient is comfortable with the current medication regimen and assess symptoms of both prediabetes”}

**test\_case12**={"PATIENTID":"822f27e8-bd5b-a2a3-4421-27422e5e1976",

"FIRST":"Marlon",

"LAST": "Koss",

"GENDER":"M",

"Age":"31",

"sum\_risk":"0.06225",

"Risk\_Bracket":"Low",

"ACTIVE\_CONDITIONS\_DESC":"Prediabetes, Anemia (disorder)",

"ACTIVE\_MEDICATIONS\_DESCRIPTION":"None",

"ALLERGIES\_DESC":"None",

"PROCEDURE\_DESCRIPTION": "Assessment of substance use (procedure), Assessment of health and social care needs (procedure), Screening for drug abuse (procedure), Screening for domestic abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Brief general examination (procedure), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Review of systems (procedure), Depression screening (procedure), Peripheral blood smear interpretation, Medication Reconciliation (procedure), Measurement of respiratory function (procedure), Depression screening using Patient Health Questionnaire Nine Item score (procedure)"}

**Output for test\_case12:**

{“Diagnosis”: “Marlon Koss is diagnosed with pre-diabetes and anemia as a result of his medical assessment and testing. “,

“Goals & Outcomes”: “The primary goal for Marlon Koss is to achieve better glucose control in order to help reduce the risk factors associated with type 2 diabetes. Furthermore, Marlon will work to reduce the risk of complications associated with anemia.”,

“ Intervention”: “Marlon will be provided with effective and healthy lifestyle interventions such as nutrition and physical activity counseling, blood glucose monitoring, and a weight-loss program. He will also be prescribed any necessary medications to help manage and treat his pre-diabetes and anemia.”,

“long term Evaluation”: “Regular monitoring of Marlon's blood glucose levels and other diagnostics, in combination with lifestyle interventions, will be conducted in order to evaluate the efficacy of the treatments prescribed over an extended period of time. “,

“short term Evaluation”: “Short-term evaluations of Marlon's treatments will be conducted every 6-12 months, including physical exam and laboratory tests, to provide an up-to-date assessment and to adjust any current therapies if needed.”}

**test\_case13**={"PATIENTID": "6596d68c-e362-7363-c61c-4579a61bf79a",

"FIRST":"Fritz",

"LAST":"Satterfield",

"GENDER":"M",

"Age":"37",

"sum\_risk":"0.05495",

"Risk\_Bracket": "Low",

"ACTIVE\_CONDITIONS\_DESC":"Received certificate of high school equivalency (finding), Stress (finding), Prediabetes",

"ACTIVE\_MEDICATIONS\_DESCRIPTION":"diphenhydrAMINE Hydrochloride 25 MG Oral Tablet",

"ALLERGIES\_DESC":"Wheat (substance), Animal dander (substance), Mold (organism), Tree pollen (substance), Shellfish (substance)",

"PROCEDURE\_DESCRIPTION":"Assessment of substance use (procedure), Assessment of health and social care needs (procedure), Screening for drug abuse (procedure), Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure), Depression screening using Patient Health Questionnaire Two-Item score (procedure), Assessment of anxiety (procedure), Depression screening (procedure), Medication Reconciliation (procedure)"}

**Output for test\_case13:**

{“Diagnosis”: “Fritz has a history of wheat, animal dander, mold, tree pollen, and shellfish allergies and has received a certificate of high school equivalency. Additionally, he is currently experiencing stress and prediabetes. “,

“Goals & Outcomes”: “The goals for Fritz would be to manage his medical conditions, ensure that his medical condition is properly managed, and to determine if there are any food and/or drug sensitivities present.”,

“Intervention”: “Interventions for Fritz would include medication reconciliation, diphenhydrAMINE Hydrochloride 25 MG Oral Tablet to manage allergies, and continuing medical and laboratory follow-up.”,

“Long Term Evaluation”: “Long term evaluations for Fritz would include determining the efficacy of his current medical regimen, what areas need additional interventions and treatments, and assessing whether or not any additional sensitivities have arisen. “,

“Short Term Evaluation”: “Short term evaluations for Fritz would include evaluating the effectiveness of his current medication regimen, providing counseling and guidance to address his stress and prediabetes, and assessing any potential interactions between medications.”}