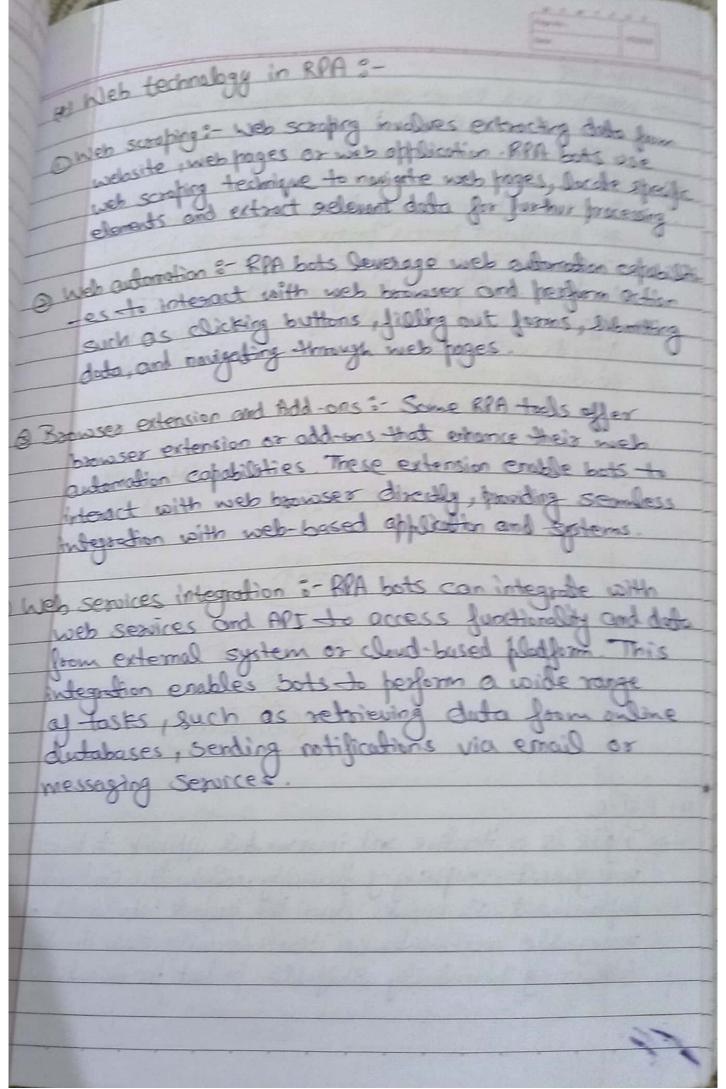
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+ OCR :- Optical Charactes	Kecognit	don in	RPA To
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C (+) Benefits of OCR 3-	hs in only
higher accuracy s- OCR technology need higher accuracy levels in data extra documents compared to manual data	to entry
- guality in accorde	
DAutomation of document processing s-OCK end to automate tasks that involve process such as invoices preciepts, forms or extracting text and relevant informat	contracts by
3 Time Savings &- By automating the extraction of from documents, ock in RPA reduces to process documents manually. The two ground times for tasks such as document verification or data entry.	is telulle, the
9 Scalability: OCR technology integrated into enables organization to scale docume capabilities as needed without signification resources.	RPA solutions) int processing ant additional
Sampliance and Audit trails-OCR in RPA maintain compliance with regulation capturing and processing data from	helps organization by accupately documents.
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(4) Waterfall waterfall is a linear, sequential approach to management, where each phase of the project project completed before moving on to the next phase sication in RPA project using the waterful methodology. Application in RPA Stages, starting with requirements gathering, follow by design, development, testing and deployment approach may be suitable for well-defined for projects with stable requirement and predictable (Requirement) Design Notestall Development Deployment (maintaience (+) Agrle Agile is a iterative and incremental approach to project inangement, emphasizing flexibility, collaboration and control It breaks down the project into small, manageable increments or iterations with each iteration delivering potentially shippable product increments

Application in RPA In RPA projects following Agile proinciples, development is done in shoot iterations, typically 1-4 weeks is done led sprints. Agule allow for faster delivery long, called sprints of feature and adaption to the long called placed of Jealuse and adaption to changing early validation of Jealuse and adaption to changing buisness needs. This approach is suitable for RPA buisness meeds. This approach is suitable for RPA buisness with evolving requirements or where rapid projects with evolving requirements or where rapid delivery is essential Scrum is a specific framework within the agile methodology, browding a structured approach to project management though roles (troduct owner, scrum master), events and etc Application in RPA > In RPA projects using Scoum the development team works in spoints to deliver increments of automation functionally. The product owner priortize tasks from the product backley, and the team commits to completing a subset of these tasks during each sprint. Scoum provides a framework for colloboration, toursparency and development in RPA projects (*) Kanban - Kanbon is a visual monagement method that focuses on continous delivery and flow of work. Work items are sepreented as courds on a Kanban board, with columns refociently different stages of the wookflow. Application in RPA. In RIA projects utilizing Kanban, tusks related to automation development and deployment are visualized or a Karban board. The board noths team manage and priortize work. It has in emphasizing plansity, efficiency and minimizing work in progress

(1) Devops in RPA: — It stands for development end ops in RPA . It starts amphasizes collaboration is an approach that emphasizes collaboration and automation by communication, integration and automotion by software developers and IT operations team Devops principles can be applied in the contest OF RIA :-@ Collaboration :- Devets excusage collaboration between developers, operation and other stateholders. In the RPA context, this means just eving callaboration by RPA developers, business analyst subject matter expects to ensure allignment by w automation inditatives and business goals. @ Continues integration (I) i- CI involves frequently integrating code changes into a shared siepository. In RPA, CI can involve regularly integrating automation scripts en workflows into a version control system like GIT 3 Continous delivery (CD):- CD extends CI by automatically deploying code changes to production or testing environce after passing automated tests. In RIA, CD practices can outomate the deplement of automation processes to production environments, enabling faster delivery of new functionalities and updates. @ Infrastructure as Code (Iac) &- Iac involves maraging and provisioning infrastructure using code and automation technique In RPA, Ial principle can be applied to manage the intrastruture required for running Eutomation buts, ensuing consistency, reliability scalability ocross environments

@ Automated testing :- Devops promotes automated tosting to ensure the quality and reliability of software solease In RPA, automated testing frameworks can be used to relidate automation scripts and weatflows, ensuring that they perform as expected and meet buisness requirement (4) Loops in RPA ?- In RPA, loops are used to repeat a set of action or steps multiple times based on costain conditions or criteria. Loops are a fundamental programming construct that allows subots to automate superfile taskes efficiently. while Do-while For Joop For-each () For loop are used when you know in advance how many times you want to execute el set of actions. while loops are used when you want to repeat a set of action until a specefic condition is med. The loop continous iterating as long as the condition remains true. (1) Do-while Jooks are similar to while Jooks hut they execute the lad body at least once before checking the loop condition. This ensure that the loop body is executed at least once regardless of whether the loop condition is initially true or false. Foreach look are used to Herale over each element in a collection or away. The loop automatically iterates through each item in the collection, allowing you to perform a specific action for each item

G what me Control flow : - Advanced control flow in the use of come process customation (RPA) refers to the use of control the flow or process cultomation (RRA) seje to control the Conflet logic and branching structures to control the Glober of execution in cultomation scripts. Advanced control of execution in cultomation RPA developers to build flow technique enable RPA developers to build more sophisticated and plexible automation sold that can handle a wide range of scenarios sold.

Some advanced flow techniques over ?-(5) Conditional Studement 3 - Conditional Studement all sabals to make decision made on specific condition. Common conditional statement bulled it if else and switch Statement Desception handling: - Exception handling is the process of anticipating and responding to errors or exception that may occur dring automation execution. 3 Error handling 3- Error handling involves deleating cond sesponding to specefic essor conditions or unexpected situation that may arise during automotion expation in Dynamic control Dow: - Dynamic control Dow technique enable subobs to dynamically adopt their behaviour based on ountime condition or external inputs. PlA developers can use appromic control flow technique such as alguornic branching and dynamic - decision meling

(1) Sequence 8- A sequence is a Dinear set of actions or steps that are executed in a predetermined order TO RPA, a sequence represents a series of activities that are performed sequentially from start to perish, without any branching or decision making logic. Sequence are typically used to automate straight forward processes where the steps follow a fixed sequence and do not involve complex devision-making or boardning. (#) Flowchert: A flowchart is a visual sepsescutation of a process or workflow that uses symbols and arrows to islustrate the sequence of steps; decision and branching dogic involved. In RPA, flowcharts provide a visual scoodman of the automation process, showing the flow of control your one activity to another, as well as decision points, loops and conditional logic. (*) Scaler Variable A scaler variable refers to a simple data storage unit that holds a single value. Scales variable are used to store and manipulate data within automation scripts or workflows. Scaler variable stores only one value at a time. Scaler variable can hold various. types of data, including numbers, storings, dates and coleen values. Commonly used in "-1) Storing and manipulating data. @ Tooking and controlling the flow of education I lassing values between activities Handling dynomic date.

Overage, keller vassiciable play a crucial scale in RPA development way to store manifer by providing a flexible and efficient way to store maniful I providing a flexible and efficience scripts, enabling manipular and manage data within automation scripts, enabling and pulpomate busnessed to perform compilex tasts and automate buisness processes efficiently 14) Collection 3-@ Callection are data structures that can hold multiple values of the same or different data types. 1) They are typically used to store lists of items, such as customer names, product ID's etc. 3 Common type of collection include arrays, Dists and sate @ Collection can be dynamic, meaning they can grow or shrink in size as items are added or removed. 3 Example 3- Dists of email address, wrays of invaice amount etc. (+) Tables ?-@ Tables are structured data-sots consisting of rows and Columns, similar to spreadsheet or database tables @ They are used to organize and manage tabular data, such as employee records, financial transaction or inventory Each row in a table represent a single execord or entity, while each column represents a specific attaibate or property of the records.
Tables support operations such as sorting, filtering and searching making them suitable for data amalysis and reporting task Example & - Employee databases, customer contact

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(=)	Text manipulation				
(4)	Text manipulation involves performing operations on textual data, such as string of character, to extract information, modify content or perform tasks.				
	data, such as string of character to out all 1				
	modify content or peoform tasks.				
	Common text manipulation tasks in KPA 0-				
0	String concatenation & Combining multiple strings into a sixella				
	modify content or perform tasks. Common text manipulation tasks in KPA o- String concatenation & Combining multiple strings into a single string.				
0	Stoing spilliting Breaking a stoing into smaller pasts based				
(3)	Substring extraction: Extracting a partien of a stoing based on its position or length. Stoing manipulation: Modifying the content of strings, such as changing case, replacing character etc.				
4	Storing manipulation: Modifying the content of storings such as				
	changing case, replacing character etc.				
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-	Data manipulation involves working with stouctured data, such				
	Data manipulation involves working with stouctured data, such a tables, arrays or dictionaries to perform operation such as littering, serting, transforming or aggregation of the				
	as filtering, sorting, transforming or aggregating date. Common data mainipulation tasks in RPA?				
	Common data manifulation tasks in RPA to-				
0	Data extraction: Retaining specific data elements from structured				
	sources such as databases, inreadsheets etc.				
9	Data filtering: Selecting or excluding data based on specific				
	coiteria or conditions.				
3	Data aggregation: Combining multiple data elements into				
	summary values such as sums, averages so				
	counts?				
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